

4 Attachment 4 - Budget

Attachment 4 – Budget presents the overall Proposal budget as well as an estimated budget for each of the individual eight Projects. The purpose of this attachment is to provide detailed information regarding Project budget line items, total cost, cost match, and funding request amount, for each individual Project of the Proposal. The Budget Categories and associated Tasks are described in the Individual Project Budgets Section. A DWR Table 7 for each project displays additional information for complex Sub-Tasks and Line Items.

Overall Proposal Budget

The overall Proposal Budget is shown on DWR’s Table 8. Included in this table are the Non-State Share (Funding Match), Requested Grant Funding, and Total Project cost for each Project.

Table 8 - Summary Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

		(a)	(b)	(d)	(e)
	Individual Project Title	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a)	Project 1 - Cross Valley Canal to Calloway Canal Intertie	\$ 3,386,500	\$ 7,400,700	\$ 10,787,200	31%
(b)	Project 2 - Madera Avenue Intertie	\$ 2,697,640	\$ 3,400,080	\$ 6,097,720	44%
(c)	Project 3 - Habitat Improvement on Pond-Poso and Turnipseed Spreading Basins	\$ 29,520	\$ 87,910	\$ 117,430	25%
(d)	Project 4 - On-Farm Mobile Lab, Water Use Efficiency Services	\$ 200,240	\$ 100,000	\$ 300,240	67%
(e)	Project 5 - DAC Fund for Feasibility-Level Studies and Well Destruction Program	\$ 31,740	\$ 400,000	\$ 431,740	7%
(f)	Project 6 - Consolidation of Bishop Acres into City of Shafter Water Supply System	\$ -	\$ 444,500	\$ 444,500	0%
(g)	Project 7 - North Shafter Sewer Hook-Up Reimbursement Fund	\$ 60,100	\$ 480,000	\$ 540,100	11%
(h)	Project 8 - Meter Installation in DAC Service Area	\$ -	\$ 579,320	\$ 579,320	0%
	TOTAL	\$6,405,740	\$12,892,510	\$19,298,250	33%

Notes.

Percentage of State Funding that will be used to support projects that address critical water supply or water quality needs for DACs:
(Projects 5, 6, 7, and 8)

14.77%

Individual Project Budgets

4.1 Project 1 – CVC to Calloway Canal Intertie

The CVC to Calloway Canal Intertie Project (Project 1 or Project) has an estimated cost of \$10,787,200. The Poso Creek RWMG is requesting \$7,400,700 in Prop 84 Implementation Grant Funding for Project 1. The requested Grant Funding will be applied toward project construction and implementation. Two individual districts within the Poso Creek RWMG have secured \$3,386,500 in matching funds, which equates to a 31% Funding Match for this Project.

Matching funds are contributed by the following entities:

- North Kern Water Storage District (North Kern or NKWSD)
- Cawelo Water District (CWD)

There are no other “Non-State” matching funds.

A detailed estimate of project costs is presented in DWR’s Table 7 – Project 1 Budget – Project 1 - CVC to Calloway Canal. An explanation of how the costs were developed is presented herein for each budget category. Supporting documentation displaying the estimated labor time and bill rate information for each district and contracted employees, for each task, is provided in Appendix 4.1-1 Project 1 Supplemental Budget Table, while the unit price for the construction items are provided in Appendix 4.1-2 Project 1 Unit Price Table. A Letter of Commitment from North Kern has also been included as Appendix 4.1-3

4.1.1 Budget Category (a): Direct Project Administration Costs

Project 1 costs associated with the Direct Project Administration Budget Category are supported by Non-State Funding Match and by Prop 84 Grant Funding. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: North Kern will be responsible for the development of the funding agreements and service contracts, as well as coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). Project administration support will be provided by CWD. The costs for this task will be supported by Prop 84 Grant Funding.

Task 2 – Labor Compliance Program: North Kern will be responsible for the costs associated with the development of the Labor Compliance Program (LCP) for this Project. The LCP will follow the rules of the California Department of Industrial Relations. North Kern will be contributing funding match in the form of in-kind services for this task.

Task 3 – Reporting: The monthly, quarterly, annual, and final report costs associated with this task will be completely supported by funding match. North Kern and CWD will contribute funding match in the form of in-kind services.

4.1.2 Budget Category (b): Land Purchase/Easement

Task 4 – Land Purchase/Easement: North Kern has secured all of the necessary project rights-of-way. No further action by North Kern is necessary. As such, no Land Purchase/Easement costs are budgeted.

4.1.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation

The Planning/Design/Engineering/Environmental Documentation costs will be completely supported by funding match. A breakdown of the project funding, by task, is as follows:

Task 5 – Assessment and Evaluation: There will be no project cost associated with this task, as the project is now in the final stages of design.

Task 6 – Design: Preliminary design, acquisition of the necessary rights-of-way, initial contact for crossing of the railroad tracks, and identification of underground utility conflict was undertaken in 2007. Since then, crossings for the proposed Westside Parkway, Big West Refinery, diversion structures, pipeline additions for the Cross Valley Canal, canal design, etc. have been designed, and agreements with various interested parties (easements, common use, etc.) have been entered into. Engineering and design work has been completed at the 90% design stage by Zeiders Consulting. All costs associated with this task, including finalizing the design, and producing construction drawings and specifications, will be completely supported by funding match by North Kern.

Task 7 – Environmental Documentation: This task was completed in 2006 in the form of an Initial Study, pursuant to California Environmental Quality Act (CEQA) guidelines. The Negative Declaration has been filed and approved. The only remaining documentation to prepare under CEQA is an addendum regarding climate change. Costs associated with this addendum will be completely supported by funding match by North Kern in the form of in-kind services.

Task 8 – Permitting: This task includes permits and fees associated with a railroad encroachment permit and an NPDES permit (if required), and verification of permit compliance. Costs associated with this task will be completely supported by funding match by North Kern, in the form of in-kind services.

4.1.4 Budget Category (d): Construction/Implementation

Project Construction and Implementation Costs will be funded by cost match by North Kern and CWD, and by Prop 84 Grant Funds. A breakdown of the project funding, by task, is as follows:

Task 9 – Construction Contracting: Once the plans and specification for the final level design are complete, the activities related to the construction contracting will commence. These sub-tasks include advertisement and solicitation of bids, processing of RFI's, conducting a pre-bid tour and conference; conducting bid opening, evaluation of proposals, awarding the contract, and Issuance of the Notice to Proceed. The costs for this task have been included in the estimation of costs for Task 12 – Construction Administration and Management; of which, North Kern will provide funding in the form of in-kind services.

Task 10 – Construction: This involves the furnishing and installation of all Project works as listed in the budget and schedule. A contract for this task will be awarded to the successful bidder. Construction tasks will be funded by cost match by North Kern and CWD, and by Prop 84 Grant Funds.

4.1.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 11 - Environmental Compliance: Once the contract has been awarded to a contractor, North Kern will engage a certified biologist to conduct pre-construction biological surveys prior to construction commencing. Accordingly, under this task, North Kern will coordinate pre-construction biological surveys and provide additional monitoring during construction. The cost associated with this task will be completely funded by cost match by North Kern.

4.1.6 Budget Category (f): Construction Administration

Task 12 – Construction Administration and Management: This task involves all contract administration and field inspection subsequent to the issuance of the Notice to Proceed through the filing of the Notice of Completion for the Project works and preparation of “As-Built” Plans. The estimated Construction Administration cost for this project was calculated as 5% of the total construction cost (Construction Cost + Permits and Fees Cost – Bonding). The Construction Administration cost will be supported completely by a funding match by North Kern and CWD in the form of in-kind services.

4.1.7 Budget Category (g): Other Costs

Task 13 – Monitoring, Assessment, and Performance Measures: This task involves some time for utilizing the project specific monitoring tables as input for development of a proposal monitoring plan. This task will be completely funded by cost match by North Kern in the form of in-kind services.

4.1.8 Budget Category (h): Construction/Implementation Contingency

The estimated construction contingency for this project was calculated as 5% of the total construction costs (Construction Cost + Permits and Fees Cost – Bonding). The Construction Contingency cost will be supported completely by funding match by North Kern and CWD.

4.1.9 Appendices

Appendix 4.1-1 Project 1 Supplemental Budget Table

Appendix 4.1-2 Project 1 Unit Price Table

Appendix 4.1-3 North Kern Letter of Commitment

4.1.10 Tables

Table 7 – Project Budget – Project 1 - CVC to Calloway Canal

Appendix 4.1-1 - Project 1 Supplemental Budget Table

		District Staff						GEI Staff					
Task Number/Name		SWSD Budget/ Accountant	SWSD or NKWSD Admin	NKWSD Engineer	CWD Engineer	Consultant Contract	District Counsel	Principal	Managing Senior	Engineer	Staff/ Admin	Total Labor Hours	Total In- Kind Costs
								Grade 7	Grade 6	Grade 4	Grade 1-2		
		\$80	\$34	\$83	\$85	\$150	\$200	\$204	\$172	\$127	\$99		
Task 1 -	Project Administration	-	300	16	16	-	-	8	8	40	60	448	\$26,927
Task 2 -	Labor Compliance Program	-	-	-	-	48	40	-	-	-	-	88	\$15,200
Task 3 -	Reporting	28	-	-	-	-	-	-	48	136	28	240	\$30,535
	3.1 - Monthly Reporting	8	-	-	-	-	-	-	8	16	8	40	\$4,839
	3.2 - Quarterly Reporting	12	-	-	-	-	-	-	24	72	12	120	\$15,418
	3.3 - Annual Report	4	-	-	-	-	-	-	8	24	4	40	\$5,139
	3.4 - Final Report	4	-	-	-	-	-	-	8	24	4	40	\$5,139
Task 4 -	Land Purchase/ Easement	No Land Purchase/Easement Costs Associated With This Project											
Task 5 -	Assessment and Evaluation	No Assessment and Evaluation Costs Associated With This Project											
Task 6 -	Design	-	-	60	-	300	-	-	-	-	-	360	\$49,965
Task 7 -	Environmental Documentation	-	-	-	-	-	8	40	8	40	-	96	\$16,216
Task 8 -	Permitting	-	-	170	-	-	80	-	-	-	-	250	\$30,067
Task 9 -	Construction Contracting	Included In Task 12 - Construction Administration and Management											
Task 10 -	Construction	Detailed Construction Costs Shown in Table 7 and Appendix 4.1-2 - Project 1 Unit Price Table											
Task 11 -	Environmental Compliance	-	-	-	-	100	-	-	-	-	-	100	\$15,000
Task 12 -	Construction Administration and Management	Estimated as 5% of Construction Cost + Permitting Cost - Bonding Cost											
Task 13 -	Monitoring Assessment and Performance Measures	-	-	-	-	-	-	-	30	40	-	70	\$10,240

Appendix 4.1-2 - Project 1 Unit Price Table

ITEM NO.	DESCRIPTION	UNIT PRICE	ESTIMATED QUANTITY	UNIT	TOTAL PRICE
Task 8.1 - Permits and Fees					
1	Permits & Fees	\$ 25,000.00	1	Each	\$ 25,000
Task 10.2 - Project Construction					
2	Mobilization	\$ 165,400	1	Each	\$ 165,400
3	Utility Relocations (Shell Oil and So Cal Gas)	\$ 96,700	1	L.S.	\$ 96,700
4	Intertie weir at CVC - 120" RCP (Watertight Culvert Pipe) - Materials	\$ 388	128	L.F.	\$ 49,664
5	Big West Crossing - double 120" RCP (Watertight Culvert Pipe) - Materials	\$ 388	184	L.F.	\$ 71,392
6	Westside Parkway crossing - double 120" RCP (Watertight Culvert Pipe) - Materials	\$ 388	856	L.F.	\$ 332,128
7	Westside Parkway crossing (double 120" RCP) - Installation	\$ 553.50	856	L.F.	\$ 473,800
8	Temporary Facilities	\$ 26,000	1	Each	\$ 26,000
9	Survey & staking	\$ 25,000	1	Each	\$ 25,000
10	Calloway Canal Crossing - Triple 120" RCP (Watertight Culvert Pipe) - Materials	\$ 388	240	L.F.	\$ 93,120
11	General Conditions	\$ 56,400	1	Each	\$ 56,400
12	Generation and import of fill material	\$ 18	138390	C.Y.	\$2,491,020
13	Misc dirt work for concrete structures	\$ 217,600	1	Each	\$217,600
14	Intertie canal - CVC to Westside Parkway - Dirt Work	\$ 8.65	22605	C.Y.	\$ 195,533
15	Intertie Canal - Westside Parkway to Big West Crossing - Dirt Work	\$ 8.65	40194	C.Y.	\$ 347,678
16	Dewatering	\$ 79,800	1	Each	\$ 79,800
17	Back-up weir in CVC	\$ 82,600	1	Each	\$ 82,600

Appendix 4.1-2 - Project 1 Unit Price Table

ITEM NO.	DESCRIPTION	UNIT PRICE	ESTIMATED QUANTITY	UNIT	TOTAL PRICE
18	CVC - Dirt Work	\$ 8.65	8250	C.Y.	\$ 71,363
19	Intertie weir at CVC - Installation	\$ 60,500	1	Each	\$ 60,500
20	Big West Crossing (double 120" RCP) - Intallation	\$ 463	184	L.F.	\$ 85,200
21	Intertie weir at CVC - 120" RCP - Installation	\$ 416	128	L.F.	\$ 53,300
22	Calloway Canal Crossing - Triple 120" RCP - Installation	\$ 355	240	L.F.	\$ 85,200
23	Calloway Canal Weir	\$ 82,600	1	Each	\$ 82,600
24	Intertie canal - CVC to Westside Parkway - Lining	\$ 3.65	31232	Sq. Ft.	\$ 113,997
25	Intertie Canal - Westside Parkway to Big West Crossing - Lining	\$ 3.65	87230	Sq. Ft.	\$ 318,390
26	Reinforced Concrete Canal Lining Bowls (3000 sq. ft.)	\$ 17,957	7	Each	\$ 125,700
27	CVC - Lining	\$ 3.65	28513	Sq. Ft.	\$ 104,072
28	Railroad Crossing - Double 120" RCP (Pressure Culvert Pipe - Class V) - Materials	\$ 1,300	320	L.F.	\$ 416,000
29	Intertie Canal - Big West Crossing to Railroad Crossing - Dirt Work	\$ 8.65	41135	C.Y.	\$ 355,818
30	Railroad Crossing - Double 120" RCP - Class V - Installation	\$ 5,280	320	L.F.	\$ 1,689,600
31	Intertie Canal - Railroad Crossing to Calloway Canal - Dirt Work	\$ 8.65	23397	C.Y.	\$ 202,384
32	Intertie Canal - Big West Crossing to Railroad Crossing - Lining	\$ 3.65	91385	Sq. Ft.	\$ 333,555
33	Intertie Canal - Railroad Crossing to Calloway Canal - Lining	\$ 3.65	87940	Sq. Ft.	\$ 320,981
34	Canal Fencing	\$ 16	9000	L.F.	\$ 144,000
35	Canal Gates (24' wide)	\$ 2,640	5	Each	\$ 13,200
36	Bi-directional Acoustic Flowmeter	\$ 40,800	1	Each	\$ 40,800
37	SCADA - Telemetry	\$ 32,900	1	Each	\$ 32,900
Task 10.3 - Performance Testing					
38	Testing & Inspection	\$ 87,000	1	Each	\$ 87,000

Subtotal: \$ 9,565,395

P.O. Box 81435
Bakersfield, CA 93380-1435
Administration
Telephone: 661-393-2696
Facsimile: 661-393-6884



33380 Cawelo Avenue
Bakersfield, CA 93308-9575
Water Orders and Operations
Telephone: 661-393-3361
Telephone: 661-746-3364

NORTH KERN WATER STORAGE DISTRICT

RECEIVED

December 28, 2010

DEC 30 2010

S.W.S.D.

Mr. Paul M. Oshel, Chairman
Poso Creek Regional Water Management Group
c/o Semitropic Water Storage District
PO Box 8043
Wasco, CA 93280-0877

Subject: Letter of Commitment - Cross Valley Canal to Calloway Canal Intertie Project

Dear Mr. Oshel:

The subject Project involves the construction of an intertie between two main conveyance canals: the Cross Valley Canal --- in which Cawelo Water District (Cawelo) and Improvement District No. 4 of the Kern County Water Agency are participants, and the Calloway Canal --- which is a North Kern Water Storage District (North Kern) facility. The Project was identified and included in the Poso Creek IRWMP as a regionally significant conveyance improvement.

North Kern and Cawelo proposed inclusion of the Project in the Poso Creek Regional Water Management Group's grant funding assistance proposal to the Department of Water Resources (DWR) under the Proposition 84 Integrated Regional Water Management Grant Program. We understand that identification of funding partners is required pursuant to the Grant Application guidelines. Accordingly, this letter confirms that North Kern is committed to jointly fund the local cost sharing portion of the Project with Cawelo. In this regard, it is noted that North Kern and Cawelo are presently sharing the cost of constructing the Project's "first phase" crossing of the soon-to-be constructed Westside Parkway to minimize Project construction costs.

We presume that this letter of commitment is sufficient for the DWR grant application that you are preparing for the Poso Creek Regional Water Management Group, and appreciate Semitropic's leadership role on behalf of the Group.

Sincerely,

A handwritten signature in blue ink, appearing to read "Richard A. Diamond", is written over a horizontal line.

Richard A. Diamond
General Manager

Table 7 - Project 1 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 1 - Cross Valley Canal to Calloway Canal Intertie

		(a)	(b)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a)	Direct Project Administration				
	<i>Task 1 - Project Administration</i>	\$ -	\$26,900	\$26,900	
	<i>Task 2 - Labor Compliance Program</i>	\$15,200	\$ -	\$15,200	
	<i>Task 3 - Reporting</i>	\$30,400	\$ -	\$30,400	
	<i>Task 3.1 - Monthly Reporting at Poso Creek RWMG Meeting</i>	\$4,800	\$ -	\$4,800	
	<i>Task 3.2 - Quarterly Reporting</i>	\$15,400	\$ -	\$15,400	
	<i>Task 3.3 - Annual Reporting</i>	\$5,100	\$ -	\$5,100	
	<i>Task 3.4 - Final Report</i>	\$5,100	\$ -	\$5,100	
(b)	Land Purchase/Easement				
	<i>Task 4 - Land Purchase/Easement</i>	\$ -	\$ -	\$ -	
(c)	Planning/Design/Engineering/ Environmental Documentation				
	<i>Task 5 - Assessment and Evaluation</i>	\$ -	\$ -	\$ -	
	<i>Task 6 - Design</i>	\$50,000	\$ -	\$50,000	
	<i>Task 7 - Environmental Documentation</i>	\$16,200	\$ -	\$16,200	
	<i>Task 8 - Permitting</i>	\$30,100	\$ -	\$30,100	
	<i>Task 8.1 - Permits and Fees</i>	\$14,100	\$ -	\$14,100	
	<i>Task 8.2 - Verify Permitting Compliance</i>	\$16,000	\$ -	\$16,000	
(d)	Construction/Implementation				
	<i>Task 9 - Construction Contracting</i>	\$ -	\$ -	\$ -	

Table 7 - Project 1 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 1 - Cross Valley Canal to Calloway Canal Intertie

		(a)	(b)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
	<i>Task 10 - Construction</i>	<i>\$2,262,400</i>	<i>\$7,373,800</i>	<i>\$9,636,200</i>	
	<i>Task 10.1 - Mobilization and Site Prep</i>	\$ -	\$261,100	\$261,100	
	Mobilization/Demobilization	\$ -	\$165,400	\$165,400	
	Bonding (1% of Construction Cost+Permits and Fees)	\$ -	\$95,700	\$95,700	
	<i>Task 10.2 - Project Construction</i>	<i>\$2,262,400</i>	<i>\$7,025,700</i>	<i>\$9,288,100</i>	
	Utility Relocations (Shell Oil and Southern California Gas)	\$ -	\$96,700	\$96,700	
	Intertie weir at CVC - 120" RCP (Watertight Culvert Pipe) - Materials	\$ -	\$49,700	\$49,700	
	Big West Crossing - Double 120" RCP (Watertight Culvert Pipe) - Materials	\$ -	\$71,400	\$71,400	
	Westside Parkway crossing - Double 120" RCP (Watertight Culvert Pipe) - Materials	\$332,100	\$ -	\$332,100	
	Westside Parkway crossing (Double 120" RCP) - Installation	\$473,800	\$ -	\$473,800	
	Temporary Facilities	\$26,000	\$ -	\$26,000	
	Survey and Staking	\$ -	\$25,000	\$25,000	
	Calloway Canal Crossing - Triple 120" RCP (Watertight Culvert Pipe) - Materials	\$ -	\$93,100	\$93,100	
	General Conditions	\$ -	\$56,400	\$56,400	
	Generation and Import of Fill Material	\$ -	\$2,491,000	\$2,491,000	
	Misc. Dirtwork for Concrete Structures	\$ -	\$217,600	\$217,600	
	Intertie canal - CVC to Westside Parkway - Dirtwork	\$ -	\$195,500	\$195,500	
	Intertie canal - Westside Parkway to Big West Crossing - Dirtwork	\$ -	\$347,700	\$347,700	
	Dewatering	\$ -	\$79,800	\$79,800	

Table 7 - Project 1 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 1 - Cross Valley Canal to Calloway Canal Intertie

		(a)	(b)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
	Back-up weir in CVC	\$ -	\$82,600	\$82,600	
	CVC Dirtwork	\$ -	\$71,400	\$71,400	
	Intertie weir at CVC - Installation	\$ -	\$60,500	\$60,500	
	Big West Crossing (Double 120" RCP) - Installation	\$ -	\$85,200	\$85,200	
	Intertie weir at CVC - 120" RCP - Installation	\$ -	\$53,300	\$53,300	
	Calloway Canal Crossing - Triple 120" RCP - Installation	\$ -	\$85,200	\$85,200	
	Calloway Canal Weir	\$ -	\$82,600	\$82,600	
	Intertie canal - CVC to Westside Parkway - Lining	\$ -	\$114,000	\$114,000	
	Intertie canal - Westside Parkway to Big West Crossing - Lining	\$ -	\$318,400	\$318,400	
	Reinforced Concrete Canal Lining Bowls (3000 SF)	\$ -	\$125,700	\$125,700	
	CVC - Lining	\$ -	\$104,100	\$104,100	
	Railroad Crossing - Double 120" RCP (Pressure Culvert Pipe - Class V) - Materials	\$ -	\$416,000	\$416,000	
	Intertie canal - Big West Crossing to Railroad Crossing - Dirtwork	\$355,800	\$ -	\$355,800	
	Railroad Crossing - Double 120" RCP - Class V - Installation	\$ -	\$1,689,600	\$1,689,600	
	Intertie Canal - Railroad Crossing to Calloway Canal - Dirtwork	\$202,400	\$ -	\$202,400	
	Intertie canal - Big West Crossing to Railroad Crossing - Lining	\$333,600	\$ -	\$333,600	
	Intertie Canal - Railroad Crossing to Calloway Canal - Lining	\$321,000	\$ -	\$321,000	
	Canal Fencing	\$144,000	\$ -	\$144,000	
	Canal Gates (24' wide)	\$ -	\$13,200	\$13,200	

Table 7 - Project 1 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 1 - Cross Valley Canal to Calloway Canal Intertie

		(a)	(b)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
	Bi-directional Acoustic Flowmeter	\$40,800	\$ -	\$40,800	
	SCADA - Telemetry	\$32,900	\$ -	\$32,900	
	<i>Task 10.3 - Performance Testing</i>	\$ -	\$87,000	\$87,000	
	Testing and Inspection	\$ -	\$87,000	\$87,000	
(e)	Environmental Compliance/ Mitigation Enhancement				
	<i>Task 11 - Environmental Compliance</i>	\$15,000	\$ -	\$15,000	
	<i>Task 11.1 - Pre-Construction Survey</i>	\$10,000	\$ -	\$10,000	
	<i>Task 11.2 - Construction Monitoring</i>	\$5,000	\$ -	\$5,000	
(f)	Construction Administration				
	<i>Task 12 - Construction Administration and Management (5% of Construction Cost+Permitting Cost-Bonding Cost)</i>	\$478,500	\$ -	\$478,500	
(g)	Other Costs				
	<i>Task 13 - Monitoring, Assessment, and Performance Measures</i>	\$10,200	\$ -	\$10,200	
(h)	Construction/Implementation Contingency (5% of Construction Cost+Permitting Cost-Bonding Cost)	\$478,500	\$ -	\$478,500	
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 3,386,500	\$ 7,400,700	\$ 10,787,200	31%

See Appendix 4.1-1 - Project 1 Supplemental Budget Table for detailed district / consulting staff in-kind service hours.

See Appendix 4.1-2 - Project 1 Unit Price Table for detailed Construction Costs

No "Other State Funds" are being used for any budget item, so Column (c) has been removed

4.2 Project 2 – Madera Avenue Intertie

The Madera Avenue Intertie Project (Project 2) has an estimated project cost of \$6,097,720. The Poso RWMG is requesting \$3,400,080 in Prop 84 Implementation Grant Funding. The requested Grant Funding will be applied toward project construction and implementation. The Poso RWMG has secured \$2,697,640 in matching funds, which equates to a 44% funding match for this Project.

Matching Funds are contributed by the following entities:

- Semitropic Water Storage District (Semitropic or SWSD)
- Shafter-Wasco Irrigation District (Shafter-Wasco or SWID)

There are no other “Non-State” Matching Funds.

A detailed estimate of project costs is presented in DWR’s Table 7 – Project 2 Budget – Project 2 – Madera Avenue Intertie. An explanation of how the costs were developed is presented herein for each Budget Category. Supporting documentation displaying the estimated labor time and bill rate information for each district employee and contracted employee, for each task, is provided in Appendix 4.2-1 Project 2 Supplemental Budget Table while the unit prices for the construction items are provided in Appendix 4.2-2 Project 2 Unit Price Table.

4.2.1 Budget Category (a): Direct Project Administration Costs

The Project 2 costs associated with the Direct Project Administration Budget Category are completely supported by Non-State Funding Match. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: Semitropic will be responsible for development of the funding agreements and service contracts, as well as coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). The Project Administration cost for this task will be supported completely by Semitropic in the form of in-kind services.

Task 2 – Labor Compliance Program: Semitropic will be responsible for the costs associated with the development of the Labor Compliance Program (LCP) for this Project. The LCP will follow the rules of the California Department of Industrial Relations. Semitropic will be contributing funding match in the form of in-kind services for this task.

Task 3 – Reporting: The monthly, quarterly, annual, and final report costs associated with this task will be completely supported by funding match. Semitropic and SWID will contribute funding match in the form of in-kind services.

4.2.2 Budget Category (b): Land Purchase/Easement

Task 4 – Land Purchase/Easement: Semitropic and Shafter-Wasco will purchase necessary property for the pipeline and obtain temporary and permanent easements for the pipeline. The districts will secure all the necessary project rights-of-way by following a standard practice R/W acquisition process. Semitropic and SWID will contribute funding match in the form of land purchase and in-kind services.

4.2.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation

The Planning/Design/Engineering/Environmental Documentation Costs will be completely supported by funding match. A breakdown of the project funding, by task, is as follows:

Task 5 – Assessment and Evaluation: This task will include a Value Engineering component to determine the optimum distance into SWID's South Mainline Distribution System the Intertie Pipeline needs to connect. Several criteria will be evaluated in detail to determine the appropriate distance for the Intertie. The costs associated with this task will be completely supported by funding match by Semitropic and SWID in the form of in-kind services.

Task 6 – Design: A 30% -Design was completed in October 2010 for Project 2 based on preliminary design work, and a System Optimization Review on SWID's distribution system; both completed in 2009. A Value Engineering analysis will be conducted in this task prior to the 60% -Design phase. Once past the 60%-Design phase and before the 90%-Design is reached, the districts will proceed with acquisition of the necessary Rights-of-Way, identification of underground utilities, and pursue agreements with various interested parties. Work under this task will also involve Final Design and preparation of construction documents. The estimated Design cost for this project was calculated as 5% of the total construction cost (construction cost + land purchase/easement cost – bonding cost). All costs associated with this task, including the value engineering analysis, 60%-Design, 90%-Design, Final Design, and producing construction drawings and specifications, will be completely supported by funding match by Semitropic and SWID.

Task 7 – Environmental Documentation: Semitropic and SWID will prepare a CEQA Initial Study, which will evaluate the Project's potential for significant effects on the environment. Based on previous experience with similar projects in the area, it is anticipated that environmental compliance can be met through the preparation and filing of a Negative Declaration. Costs associated with preparing and filing a Negative Declaration will be completely supported by funding match by Semitropic and SWID in the form of in-kind services.

Task 8 – Permitting: Once the 60%-Design level is reached, Semitropic will contact the Kern County Roads Department to initiate a permit application for encroachment permits to cross county roads. The Final Design specifications will include standard language which states

“The Contractor is an independent contractor, and shall, at his sole cost and expense, comply with all laws, rules, ordinances, and regulations of all governing bodies having jurisdiction over the work, obtain all necessary permits and licenses therefor...”. This task includes permits and fees associated with county road encroachment permits, an NPDES permit (if required), and verification of permit compliance. Costs associated with obtaining necessary permits will be completely supported by funding match by Semitropic and SWID in the form of in-kind services.

4.2.4 Budget Category (d): Construction/Implementation

Project Construction and Implementation Costs will be funded by cost match by Semitropic and SWID, and by Prop 84 Grant Funds. A breakdown of the project funding, by task, is as follows:

Task 9 – Construction Contracting: Once the plans and specification for the final level design are complete, the activities related to the construction contracting will commence. These sub-tasks include advertisement and solicitation of bids, processing of RFI’s, conducting a pre-bid tour and conference; conducting bid opening, evaluation of proposals, awarding the contract, and Issuance of the Notice to Proceed. The costs associated with this task are included in the cost estimate for Task 12 – Construction Administration and Management, and will be funded by cost match by Semitropic and SWID in the form of in-kind services.

Task 10 – Construction: This involves the furnishing and installation of all Project works as listed in the budget and schedule. A contract for this task will be awarded to the successful bidder. Construction tasks will be funded by cost match by Semitropic and SWID, and by Prop 84 Grant Funds.

4.2.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 11 - Environmental Compliance: Once the contract has been awarded to a contractor, Semitropic will engage a certified biologist to conduct pre-construction biological surveys prior to construction commencing. Accordingly, under this task, Semitropic will coordinate pre-construction biological surveys and provide additional monitoring during construction. The cost associated with this task will be completely funded by cost match by Semitropic and SWID.

4.2.6 Budget Category (f): Construction Administration

Task 12 – Construction Administration and Management: This task involves all contract administration and field inspection subsequent to the issuance of the Notice to Proceed through the filing of the Notice of Completion for the Project works and preparation of “As-Built” Plans. The estimated Construction Administration cost for this project was calculated

as 7% of the total construction cost (construction cost + land purchase/easement cost – bonding cost). The Construction Administration cost will be supported completely by a funding match by Semitropic and SWID in the form of in-kind services.

4.2.7 Budget Category (g): Other Costs

Task 13 – Monitoring, Assessment, and Performance Measures: This task involves some time for utilizing the project specific monitoring tables as input for development of a proposal monitoring plan. This task will be completely funded by cost match by Semitropic and SWID in the form of in-kind services.

4.2.8 Budget Category (h): Construction/Implementation Contingency

The estimated construction contingency for this project was calculated as 10% of the total construction costs (construction cost + land purchase/easement cost – bonding cost). The Construction Contingency costs will be supported completely by funding match by Semitropic and SWID.

4.2.9 Appendices

Appendix 4.2-1 Project 2 Supplemental Budget Table

Appendix 4.2-2 Project 2 Unit Price Table

4.2.10 Tables

Table 7 – Project Budget – Project 2 – Madera Avenue Intertie

Appendix 4.2-1 Project 2 Supplemental Budget Table

		District Staff				GEI Staff					
Task Number/Name		SWSD Budget/ Accountant	SWID Manager	Consultant Contract	District Counsel	Principal	Managing Senior	Engineer	Staff/ Admin	Total Labor Hours	Total In- Kind Costs
						Grade 7	Grade 6	Grade 4	Grade 1-2		
		\$80	\$78	\$150	\$200	\$204	\$172	\$127	\$99		
Task 1 -	Project Administration	1% of Construction Cost + Land Purchase/Easement Cost - Bonding Cost									
Task 2 -	Labor Compliance Program	-	-	100	-	-	-	-	-	100	\$15,000
Task 3 -	Reporting	88	-	-	-	-	48	136	28	300	\$35,325
	3.1 - Monthly Reporting	8	-	-	-	-	8	16	8	40	\$4,839
	3.2 - Quarterly Reporting	24	-	-	-	-	24	72	12	132	\$16,376
	3.3 - Annual Reporting	16	-	-	-	-	8	24	4	52	\$6,097
	3.4 - Final Report	40	-	-	-	-	8	24	4	76	\$8,013
Task 4 -	Land Purchase/ Easement	See Appendix 4.2-2 for Land Purchase/Easement Cost									
Task 5 -	Assessment and Evaluation	-	130	80	40				-	250	\$30,132
Task 6 -	Design	5% of Construction Cost + Land Purchase/Easement Cost - Bonding Cost									
Task 7 -	Environmental Documentation	-	120	-	80	80	32	24	-	336	\$50,224
Task 8 -	Permitting	-	180	-	80	-	-	-	-	260	\$30,028
Task 9 -	Construction Contracting	Included in Task 12 - Construction Administration and Management									
Task 10 -	Construction	Detailed Construction Costs Found in Table 7 and Appendix 4.2-2									
Task 11 -	Environmental Compliance	-	-	100	-	-	-	-	-	100	\$15,000
Task 12 -	Construction Administration and Management	Estimated as 7% of Construction Cost + Land Purchase/Easement Cost - Bonding Cost									
Task 13 -	Monitoring Assessment and Performance Measures	-	-	-	-	-	30	40	-	70	\$10,240

Appendix 4.2-2 - Project 2 Unit Price Table

ITEM NO.	DESCRIPTION	UNIT PRICE	ESTIMATED QUANTITY	UNIT	TOTAL PRICE
Task 4 - Land Purchase/Easement					
1	Right-of-way acquisition for Intertie Pipeline	\$ 3,000	18	Acres	\$ 54,000
2	Right-of-way acquisition for Distribution System pipeline	\$ 3,000	26	Acres	\$ 78,000
Task 10.2 - Project Construction					
Task 10.2.1 - Intertie Pipeline					
2	36" RCP	\$ 144	10600	L.F.	\$ 1,526,400
3	Connection to existing 33" RCP at SWID	\$ 25,000	1	L.S.	\$ 25,000
4	36" Isolation Butterfly Valve in Semitropic Lateral B-230	\$ 20,000	1	L.S.	\$ 20,000
5	30" Isolation Butterfly Valve in SWID	\$ 16,000	2	Each	\$ 32,000
Task 10.2.2 - Booster Pumping Plant					
6	Sitework	\$ 20,000	1	L.S.	\$ 20,000
7	10CFS - 100 Hp Pump	\$ 60,000	4	Each	\$ 240,000
8	5CFS - 50 Hp Pump	\$ 50,000	2	Each	\$ 100,000
9	36"x1/4" Steel Manifold Piping	\$ 384	540	L.F.	\$ 207,360
10	36" Butterfly Valve for 36" Manifold Headers	\$ 15,000	4	Each	\$ 60,000

Appendix 4.2-2 - Project 2 Unit Price Table

ITEM NO.	DESCRIPTION	UNIT PRICE	ESTIMATED QUANTITY	UNIT	TOTAL PRICE
11	Branch Manifold Pipings with all Valves, Couplings, including 12" Ball Valve and Connecting Piping	\$ 300,000	1	L.S.	\$ 300,000
12	36" Bi-Directional Sonic Flowmeter	\$ 9,000	1	L.S.	\$9,000
13	Meter Vault	\$ 50,000	1	L.S.	\$50,000
14	Chain Link Fence	\$ 25	720	L.F.	\$ 18,000
15	16' Wide Double Metal Drive Gate	\$ 1,500	1	L.S.	\$ 1,500
16	Electrical	\$ 350,000	1	L.S.	\$ 350,000
Task 10.2.3 - Distribution System in SWID					
17	27" PVC Pipe	\$ 60	5280	L.F.	\$ 316,800
18	24" PVC Pipe	\$ 54	2640	L.F.	\$ 142,560
19	18" PVC Pipe	\$ 42	2640	L.F.	\$ 110,880
20	15" PVC Pipe	\$ 35	11880	L.F.	\$ 415,800
21	Pipeline Appurtenances (10% of Pipeline Cost)	\$ 98,600	1	L.S.	\$ 98,600
22	Farm Turnouts	\$ 6,000	10	Each	\$ 60,000
23	24" Butterfly Valve	\$ 5,300	1	Each	\$ 5,300
24	14" Buttefly Valve	\$ 3,500	3	Each	\$ 10,500

Subtotal: \$ 4,251,700

Table 7 - Project 2 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 2 - Madera Avenue Intertie

	(a)	(b)	(d)	(e)
Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a) Direct Project Administration				
Task 1 - Project Administration (1% of Construction Cost + Land Purchase/Easement Cost - Bonding Cost)	\$42,500	\$ -	\$42,500	
Task 1.1 - Intertie Pipeline and Booster Pumping Plant	\$30,100	\$ -	\$30,100	
Task 1.2 - Distribution System in SWID	\$12,400	\$ -	\$12,400	
Task 2 - Labor Compliance Program	\$15,000	\$ -	\$15,000	
Task 3 - Reporting	\$35,300	\$ -	\$35,300	
Task 3.1 - Monthly Reporting at Poso Creek RWMG Meeting	\$4,800	\$ -	\$4,800	
Task 3.2 - Quarterly Reporting	\$16,400	\$ -	\$16,400	
Task 3.3 - Annual Reporting	\$6,100	\$ -	\$6,100	
Task 3.4 - Final Report	\$8,000	\$ -	\$8,000	
(b) Land Purchase/Easement				
Task 4 - Land Purchase/Easement	\$132,000	\$ -	\$132,000	
Task 4.1 - Obtain Trunk Line Rights-of-Way	\$54,000	\$ -	\$54,000	
Task 4.1 - Obtain Distribution System Rights-of-Way	\$78,000	\$ -	\$78,000	
(c) Planning/Design/Engineering/ Environmental Documentation				
Task 5 - Assessment and Evaluation	\$30,100	\$0	\$30,100	
Task 6 - Design (5% of Construction Cost + Land Purchase/Easement Cost - Bonding Cost)	\$212,600	\$ -	\$212,600	
Task 6.1 - Intertie Pipeline and Booster Pumping Plant	\$150,700	\$ -	\$150,700	
Task 6.2 - Distribution System in SWID	\$61,900	\$ -	\$61,900	

Table 7 - Project 2 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 2 - Madera Avenue Intertie

	(a)	(b)	(d)	(e)
Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
Task 7 - Environmental Documentation	\$50,200	\$ -	\$50,200	
Task 8 - Permitting	\$30,000	\$ -	\$30,000	
Task 8.1 - Permits and Fees	\$14,000	\$ -	\$14,000	
Task 8.2 - Verify Permitting Compliance	\$16,000	\$ -	\$16,000	
(d) Construction/Implementation				
Task 9 - Construction Contracting	\$ -	\$ -	\$ -	
Task 10 - Construction	\$1,404,740	\$3,400,080	\$4,162,200	
Task 10.1 - Mobilization and Site Prep	\$42,500	\$ -	\$42,500	
Mobilization, Demobilization, Site Preparation	\$ -	\$ -	\$ -	
Bonding (1% of Construction Costs + Land Purchase/Easement)	\$ 42,500.00	\$ -	\$42,500	
Task 10.2 - Project Construction	\$1,362,240	\$3,400,080	\$4,119,700	
Task 10.2.1 - Intertie Pipeline	\$ -	\$1,526,400	\$1,603,400	
Obtain and Install 36" RCP Trunk Line	\$ -	\$1,526,400	\$1,526,400	
Tie-in to Existing SWID 33" RCP	\$25,000	\$ -	\$25,000	
Obtain and Install 1-36" Isolation Butterfly Valve	\$20,000	\$ -	\$20,000	
Obtain and Install 2-30" Isolation Butterfly Valves	\$32,000	\$ -	\$32,000	
Task 10.2.2 - Booster Pumping Plant	\$59,750	\$1,296,110	\$1,355,860	
Pumping Plant Sitework	\$20,000	\$ -	\$20,000	
Obtain and Install 4-10cfs/100Hp Pumps	\$ -	\$240,000	\$240,000	
Obtain and Install 2-5cfs/50Hp Pumps	\$ -	\$100,000	\$100,000	
Obtain and Install 36"x1/4" Steel Manifold Piping	\$ -	\$207,360	\$207,360	
Obtain and Install 4-36" Butterfly Valves for 36" Manifold Headers	\$30,000	\$30,000	\$60,000	

Table 7 - Project 2 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 2 - Madera Avenue Intertie

	(a)	(b)	(d)	(e)
Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
Branch Manifold Pipings with All Valves, Couplings, including 12" Ball Valve, and Connecting Piping	\$ -	\$300,000	\$300,000	
Obtain and Install 1-36" Bi-directional Sonic Flowmeter	\$9,000	\$ -	\$9,000	
Construct Meter Vault	\$ -	\$50,000	\$50,000	
Obtain and Erect Chain Link Fence	\$ -	\$18,000	\$18,000	
Obtain and Install 1-16' Wide Double Metal Drive Gate	\$750	\$750	\$1,500	
Perform All Associated Electrical Work	\$ -	\$350,000	\$350,000	
Task 10.2.3 - Distribution System in SWID	\$582,870	\$577,570	\$1,160,440	
Obtain and Install 27" PVC Pipe	\$158,400	\$158,400	\$316,800	
Obtain and Install 24" PVC Pipe	\$71,280	\$71,280	\$142,560	
Obtain and Install 18" PVC Pipe	\$55,440	\$55,440	\$110,880	
Obtain and Install 15" PVC Pipe	\$207,900	\$207,900	\$415,800	
Obtain and Install Pipeline Appurtenances	\$49,300	\$49,300	\$98,600	
Construct 10-Farm Turnouts	\$30,000	\$30,000	\$60,000	
Obtain and Install 1-24" Butterfly Valve	\$5,300	\$ -	\$5,300	
Obtain and Install 3-14" Butterfly Valves	\$5,250	\$5,250	\$10,500	
Task 10.3 - Performance Testing	\$ -	\$ -	\$0	
Testing and Inspection	\$ -	\$ -	\$0	
(e) Environmental Compliance/ Mitigation Enhancement				
Task 11 - Environmental Compliance	\$15,000	\$ -	\$15,000	
Task 11.1 - Pre-Construction Survey	\$10,000	\$ -	\$10,000	
Task 11.2 - Construction Monitoring	\$5,000	\$ -	\$5,000	

Table 7 - Project 2 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 2 - Madera Avenue Intertie

		(a)	(b)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
(f)	Construction Administration				
	<i>Task 12 - Construction Administration and Management (7% of Construction Cost + Land Purchase/Easement Cost - Bonding Cost)</i>	<i>\$296,500</i>	<i>\$ -</i>	<i>\$296,500</i>	
	Task 12.1 - Intertie Pipeline and Booster Pumping Plant	\$210,900	\$ -	\$210,900	
	Task 12.2 - Distribution System in SWID	\$85,600	\$ -	\$85,600	
(g)	Other Costs				
	<i>Task 13 - Monitoring, Assessment, and Performance Measures</i>	<i>\$10,200</i>	<i>\$ -</i>	<i>\$10,200</i>	
(h)	Construction/Implementation Contingency (10% of Construction Cost + Land Purchase/Easement Cost - Bonding Cost)	\$423,500	\$ -	\$423,500	
	<i>Intertie Pipeline and Booster Pumping Plant</i>	<i>\$301,300</i>	<i>\$ -</i>	<i>\$301,300</i>	
	<i>Distribution System in SWID</i>	<i>\$122,200</i>	<i>\$ -</i>	<i>\$122,200</i>	
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 2,697,640	\$ 3,400,080	\$ 6,097,720	44%

See Appendix 4.2-1 - Project 2 Supplemental Budget Table for detailed district / consulting staff in-kind service hours.

See Appendix 4.2-2 - Project 2 Unit Price Table for detailed Construction Costs

No "Other State Funds" are being used for any budget item, so Column (c) has been removed

4.3 Project 3 – Habitat Improvement on Pond-Poso and Turnipseed Spreading Basins

The Habitat Improvement on Pond-Poso and Turnipseed Spreading Basins Project (Project 3 or Project) has an estimated project cost of \$117,430. The Poso Creek Regional Water Management Group (Poso RWMG) is requesting \$87,910 in Prop 84 Implementation Grant Funding. The requested Grant Funding will be applied toward creating a total of 513 acres of wetland habitat and 34 acres of related riparian habitat to resemble native riparian and wetland ecological systems. The Poso RWMG has secured \$29,520 in matching funds, which equates to a 25% funding match for this Project.

Matching Funds are contributed by the following entities:

- Semitropic Water Storage District (Semitropic or SWSD)
- Delano-Earlimart Irrigation District (Delano-Earlimart or DEID)

There are no other “Non-State” Matching Funds.

A detailed estimate of project costs is presented in DWR’s Table 7 – Project 3 Budget – Project 3 – Habitat Improvement on Pond-Poso and Turnipseed Spreading Basins. An explanation of how the costs were developed is presented herein for each Budget Category. Supporting documentation displaying the estimated labor time and bill rate information for each district employee and contracted employee, for each task, is provided in Appendix 4.3-1 Project 3 Supplemental Budget Table, while the unit prices for the construction items are provided in Appendix 4.3-2 Project 3 Unit Price Table.

4.3.1 Budget Category (a): Direct Project Administration Costs

The Project 3 costs associated with the Direct Project Administration Budget Category are completely supported by Non-State Funding Match. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: Semitropic and DEID will be responsible for development of the funding agreements and service contracts, as well as coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). The Project Administration cost for this task, which was estimated as 1% of the total Project Cost, will be supported by Semitropic and DEID in the form of in-kind services.

Task 2 – Labor Compliance Program: Semitropic and DEID will be responsible for the costs associated with the development of the Labor Compliance Program (LCP) for this Project. The LCP will follow the rules of the California Department of Industrial Relations. Semitropic and DEID will be contributing funding match in the form of in-kind services for this task.

Task 3 – Reporting: The monthly, quarterly, annual, and final reports associated with this task will be completely supported by funding match. Semitropic and DEID will contribute funding match in the form of in-kind services.

4.3.2 Budget Category (b): Land Purchase/Easement

Task 4 – Land Purchase/Easement: Both Semitropic and DEID have already purchased the land for the Pond-Poso and Turnipseed Spreading Basins. As such, there are no costs associated with this task.

4.3.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation

The Planning/Design/Engineering/Environmental Documentation Costs will be completely supported by funding match. A breakdown of the project funding, by task, is as follows:

Task 5 – Assessment and Evaluation: The Project is not expected to require a high level of engineering design. Planting recommendations are based on the professional judgment and experience of agencies providing in-kind support.

Task 6 – Design: Preliminary grading and planning plans have been developed by Semitropic and DEID in coordination with Tulare Basin Wildlife Partners (TBWP) and the local North West Kern Resource Conservation District (NWKRCDD). The cost for this task has been estimated as 5% of the total project cost. The cost includes finalizing the planting plan for purchase of plant material and irrigation equipment. This task will be completely supported by Semitropic and DEID in the form of in-kind services.

Task 7 – Environmental Documentation: Pursuant to California Environmental Quality Act (CEQA) guidelines, the project is exempt. As such, there will be no project cost associated with this task.

Task 8 – Permitting: All work will be performed on district-owned (Semitropic or DEID) lands; and no permits are required. As such, there will be no project cost associated with this task.

4.3.4 Budget Category (d): Construction/Implementation

Project Construction and Implementation Costs will be supported by Semitropic and DEID, and by Prop 84 Grant Funds. A breakdown of the project funding, by task, is as follows:

Task 9 – Construction Contracting: The work performed on the spreading basins does not require formal plans and specifications. Work tasks to be completed for each site can be completed under simple work order requests initiated by District Staff. The costs associated with this task are included in the cost estimate for Task 12 – Construction Administration and Management.

Task 10 – Construction: This involves the furnishing and installation of all Project works as listed in the budget and schedule. A contract for this task will be a simple award to a local grower or contractor with equipment (tractor and disc) to level the benches. Seeding of plant stock may be accomplished with in-kind labor or supplied by volunteer groups. Construction tasks will be funded by Prop 84 Grant Funds.

4.3.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 11 - Environmental Compliance: Environmental compliance will include normal monitoring of the site during activity that is in line with normal site maintenance. Task 13 comprises monitoring of establishment of the new riparian habitat to assure the Project goals are accomplished.

4.3.6 Budget Category (f): Construction Administration

Task 12 – Construction Administration and Management: This task involves district Staff communicating with a local grower or contractor to initiate and complete simple contractual work requests. Activities will include field visits and inspection of work for conformance with the work order request specifications. The cost for this task has been estimated as 5% of the construction cost, and will be supported completely by a funding match by Semitropic and DEID in the form of in-kind services.

4.3.7 Budget Category (g): Other Costs

Task 13 – Monitoring, Assessment, and Performance Measures: This task involves some time for utilizing the project specific monitoring tables as input for development of a proposal monitoring plan. This task will be completely funded by cost match by Semitropic and DEID in the form of in-kind services.

4.3.8 Budget Category (h): Construction/Implementation Contingency

The estimated construction contingency for this project was calculated as 25% of the total construction costs. Given the nature of the Project, it is estimated that 25% of the materials (grass seeds, cuttings, potted plants) used for habitat creation will be non-viable, or will need to be reestablished. The Construction Contingency cost will be supported completely by funding match by Semitropic and DEID.

4.3.9 Appendices

Appendix 4.3-1 Project 3 Supplemental Budget Table

Appendix 4.3-2 Project 3 Unit Price Table

4.3.10 Tables

Table 7 – Project Budget – Project 3 – Habitat Improvement on Pond-Poso and Turnipseed Spreading Basins

Appendix 4.3-1 Project 3 Supplemental Budget Table

		District Staff				GEI Staff				
Task Number/Name		SWSD Budget/ Accountant	SWID Manager	Consultant Contract	District Counsel	Managing Senior	Engineer	Staff/ Admin	Total Labor Hours	Total In- Kind Costs
						Grade 6	Grade 4	Grade 1-2		
		\$80	\$78	\$150	\$200	\$172	\$127	\$99		
Task 1 -	Project Administration	Estimated as 1% of Project Cost								
Task 2 -	Labor Compliance Program	-	-	4	4	-	-	-	8	\$1,400
Task 3 -	Reporting	96	16	-	-	-	-	16	128	\$10,495
	3.1 - Monthly Reporting	8	4	-	-	-	-	4	16	\$1,346
	3.2 - Quarterly Reporting	24	4	-	-	-	-	4	32	\$2,624
	3.3 - Annual Reporting	24	4	-	-	-	-	4	32	\$2,624
	3.4 - Final Report	40	4	-	-	-	-	4	48	\$3,901
Task 4 -	Land Purchase/ Easement	No Land Purchase/Easement Costs								
Task 5 -	Assessment and Evaluation	No Assessment and Evaluation Costs								
Task 6 -	Design	Estimated as 5% of Project Cost								
Task 7 -	Environmental Documentation	No Environmental Documentation Costs								
Task 8 -	Permitting	No Permitting Costs								
Task 9 -	Construction Contracting	Included in Task 12 - Construction Administration and Management								
Task 10 -	Construction	Detailed Construction Costs Found in Table 7 and Appendix 4.3-2								
Task 11 -	Environmental Compliance	No Environmental Compliance Costs								
Task 12 -	Construction Administration and Management	Estimated as 5% of Construction Cost								
Task 13 -	Monitoring Assessment and Performance Measures	16	16	-	-	16	16	-	64	\$7,308

Appendix 4.3-2 - Project 3 Unit Price Table

ITEM NO.	DESCRIPTION	UNIT PRICE	ESTIMATED QUANTITY	UNIT	TOTAL PRICE
Task 10.2 - Project Construction					
Task 10.2.1 - Pond-Poso Spreading Basin Habitat Improvement					
1	Bench Ground Cover - Creeping Wild Rye	\$ 41.00	105	Lbs	\$ 4,305
2	Bench Ground Cover - Mugwort	\$ 70.00	105	Lbs	\$ 7,350
3	Bench Ground Cover - Gum Plant	\$ 15.00	105	Lbs	\$ 1,575
4	Shallow Flooded Cover - Bio Logic Guide's Choice Seed	\$ 1.70	8865	Lbs	\$ 15,071
7	Shrub Layer - Quail Bush ⁽²⁾	\$ 6.48	783	Each	\$ 5,074
8	Shrub Layer - Sandbar Willow ⁽¹⁾	\$ 3.00	783	Each	\$ 2,349
9	Shrub Layer - Mulefat ⁽¹⁾	\$ 3.00	783	Each	\$ 2,349
10	Shrub Layer - California Rose ⁽²⁾	\$ 6.62	783	Each	\$ 5,183
11	Tree Layer - Fremond Cottonwood ⁽²⁾	\$ 8.43	224	Each	\$ 1,888
12	Tree Layer - Gooding's Black Willow ⁽¹⁾	\$ 3.00	224	Each	\$ 672
13	Tree Layer - Red Willow ⁽¹⁾	\$ 3.00	224	Each	\$ 672
14	Tree Layer - California Buttonwillow ⁽¹⁾	\$ 3.00	224	Each	\$ 672
15	Tree Layer - Western Sycamore ⁽²⁾	\$ 8.43	224	Each	\$ 1,888
16	Tree Layer - Oregon Ash ⁽²⁾	\$ 8.43	224	Each	\$ 1,888
17	Tree Layer - Box Elder ⁽²⁾	\$ 8.43	224	Each	\$ 1,888
Subtotal					\$ 52,825

Appendix 4.3-2 - Project 3 Unit Price Table

ITEM NO.	DESCRIPTION	UNIT PRICE	ESTIMATED QUANTITY	UNIT	TOTAL PRICE
Task 10.2 - Project Construction					
Task 10.2.2 - Turnipseed Spreading Basin Habitat Improvement					
1	Bench Ground Cover - Creeping Wild Rye	\$ 41.00	10	Lbs	\$ 410
2	Bench Ground Cover - Mugwort	\$ 70.00	10	Lbs	\$ 700
3	Bench Ground Cover - Gum Plant	\$ 15.00	10	Lbs	\$ 150
4	Shallow Flooded Cover - Bio Logic Guide's Choice Seed	\$ 1.70	780	Lbs	\$ 1,326
7	Shrub Layer - Quail Bush ⁽²⁾	\$ 6.48	70	Each	\$ 454
8	Shrub Layer - Sandbar Willow ⁽¹⁾	\$ 3.00	70	Each	\$ 210
9	Shrub Layer - Mulefat ⁽¹⁾	\$ 3.00	70	Each	\$ 210
10	Shrub Layer - California Rose ⁽²⁾	\$ 6.62	70	Each	\$ 463
11	Tree Layer - Fremond Cottonwood ⁽²⁾	\$ 8.43	20	Each	\$ 169
12	Tree Layer - Gooding's Black Willow ⁽¹⁾	\$ 3.00	20	Each	\$ 60
13	Tree Layer - Red Willow ⁽¹⁾	\$ 3.00	20	Each	\$ 60
14	Tree Layer - California Buttonwillow ⁽¹⁾	\$ 3.00	20	Each	\$ 60
15	Tree Layer - Western Sycamore ⁽²⁾	\$ 8.43	20	Each	\$ 169
16	Tree Layer - Oregon Ash ⁽²⁾	\$ 8.43	20	Each	\$ 169
17	Tree Layer - Box Elder ⁽²⁾	\$ 8.43	20	Each	\$ 169
Subtotal					\$ 4,777

Notes:

TOTAL \$ 57,602

- ⁽¹⁾ Cuttings are free, but the following assumptions are used to estimate the cost associated with their collection and planting.
 Assumed labor could collect 20 cuttings (shrub or tree) per hour, and could plant 10 cuttings per hour.
 Assumed labor cost of \$20/hr for cutting and planting.

Calculation - \$20/Hr / 20 cuttings/Hr = \$1.00/Cutting; \$20/Hr / 10 plantings/Hr = \$2.00/Planting; \$3.00/plant

- ⁽²⁾ The cost of planting the tree/shrub is included in the unit cost (\$2.00/Planting) from above calculation.

Table 7 - Project 3 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 3 - Habitat Improvement on Pond-Poso and Turnipseed Spreading Basins

	(a)	(b)	(d)	(e)
Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a) Direct Project Administration				
<i>Task 1 - Project Administration (1% of Project Cost)</i>	\$1,170	\$ -	\$1,170	
<i>Task 2 - Labor Compliance Program</i>	\$1,400	\$ -	\$1,400	
<i>Task 3 - Reporting</i>	\$10,400	\$ -	\$10,400	
<i>Task 3.1 - Monthly Reporting at Poso Creek RWMG Meeting</i>	\$1,300	\$ -	\$1,300	
<i>Task 3.2 - Quarterly Reporting</i>	\$2,600	\$ -	\$2,600	
<i>Task 3.3 - Annual Reporting</i>	\$2,600	\$ -	\$2,600	
<i>Task 3.4 - Final Report</i>	\$3,900	\$ -	\$3,900	
(b) Land Purchase/Easement				
<i>Task 4 - Land Purchase/Easement</i>	\$ -	\$ -	\$ -	
(c) Planning/Design/Engineering/ Environmental Documentation				
<i>Task 5 - Assessment and Evaluation</i>	\$ -	\$ -	\$ -	
<i>Task 6 - Design (5% of Project Cost)</i>	\$5,850	\$ -	\$ -	
<i>Task 7 - Environmental Documentation</i>	\$ -	\$ -	\$ -	
<i>Task 8 - Permitting</i>	\$ -	\$ -	\$ -	
(d) Construction/Implementation				
<i>Task 9 - Construction Contracting</i>	\$ -	\$ -	\$ -	
<i>Task 10 - Construction</i>	\$ -	\$67,610	\$67,610	
<i>Task 10.1 - Mobilization and Site Prep (5% of Project Cost)</i>	\$ -	\$10,000	\$10,000	
<i>Task 10.2 - Project Construction</i>	\$ -	\$57,610	\$57,610	
Task 10.2.1 - Pond-Poso Spreading Basin Habitat Improvement	\$ -	\$52,830	\$52,830	
Ground Cover in Bench Area	\$ -	\$13,230	\$13,230	
Ground Cover in Shallow Flooded Area	\$ -	\$15,070	\$15,070	
Shrub Layer in Bench Area	\$ -	\$14,960	\$14,960	
Tree Layer in Bench Area	\$ -	\$9,570	\$9,570	

Table 7 - Project 3 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 3 - Habitat Improvement on Pond-Poso and Turnipseed Spreading Basins

		(a)	(b)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
	Task 10.2.2 - Turnipseed Spreading Basin Habitat Improvement	\$ -	\$4,780	\$4,780	
	Ground Cover in Bench Area	\$ -	\$ 1,260	\$1,260	
	Ground Cover in Shallow Flooded Area	\$ -	\$ 1,330	\$1,330	
	Shrub Layer in Bench Area	\$ -	\$ 1,340	\$1,340	
	Tree Layer in Bench Area	\$ -	\$ 850	\$850	
(e)	Environmental Compliance/ Mitigation Enhancement				
	<i>Task 11 - Environmental Compliance</i>	\$ -	\$ -	\$ -	
(f)	Construction Administration				
	<i>Task 12 - Construction Administration and Management (5% of Construction Cost)</i>	\$3,400	\$ -	\$ -	
(g)	Other Costs				
	<i>Task 13 - Monitoring, Assessment, and Performance Measures</i>	\$7,300	\$ -	\$7,300	
(h)	Construction/Implementation Contingency (25% of Construction Cost)	\$0	\$16,900	\$ -	
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 29,520	\$ 87,910	\$ 117,430	25%

Notes:

See Appendix 4.3-1 - Project 3 Supplemental Budget Table for detailed district / consulting staff in-kind service hours.

See Appendix 4.3-2 - Project 3 Unit Price Table for detailed Construction Costs

No "Other State Funds" are being used for any budget item, so Column (c) has been removed

Construction/Implementation Contingency is 25% to account for non-viability of habitat establishment (cutting, planting, seeding).

4.4 Project 4 – On-Farm Mobile Lab, Water Use Efficiency Services

The On-Farm Mobile Lab, Water Use Efficiency Services Project (Project 4 or Project) has an estimated project cost of \$300,240. The Poso Creek RWMG is requesting \$100,000 in Prop 84 Implementation Grant funding. The requested grant funding will be applied toward operation of the Mobile Lab and the water system efficiency analysis services it provides to the Poso Creek IRWM Plan Region. The RWMG has secured \$200,240 in matching funds, which equates to a 67% funding match for this Project.

Matching funds are contributed by the following entities:

- Cawelo Water District (Cawelo or CWD)
- Delano-Earlimart Irrigation District (Delano-Earlimart or DEID)
- Kern-Tulare Water District (Kern-Tulare or KTWD)
- North Kern Water Storage District (North Kern or NKWSD)
- Semitropic Water Storage District (Semitropic or SWSD)
- Shafter Wasco Irrigation District (Shafter-Wasco or SWID)
- Improvement District No. 4 of the Kern County Water Agency (ID4),
- Lost Hills Water District,
- Arvin –Edison Water Storage District,
- Buena Vista Water Storage District,
- Kern Delta Water District,
- Tehachapi-Cummings County Water District,
- Southern San Joaquin MUD,
- Belridge Water Storage District,
- Henry Miller Water District,
- Wheeler Ridge-Maricopa Water Storage District, and
- Rosedale Rio-Bravo Water Storage District.

There are no other “Non-State” matching funds.

A detailed estimate of project costs is presented in DWR’s Table 7 – Project Budget – Project 4 – On-Farm Mobile Lab, Water Use Efficiency Services. An explanation of how the costs were developed is presented herein for each budget category. Supporting documentation displaying the estimated labor time and bill rate information for each district and contracted employees, for each task, is provided in Appendix 4.4-1 Project 4 Supplemental Budget Table.

4.4.1 Budget Category (a): Direct Project Administration Costs

The Project 4 costs associated with the Direct Project Administration Budget Category are completely supported by Non-State Funding Match. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: The North West Kern Resource Conservation District (NWKRCDD) will be responsible for development of the funding agreements and service contracts, as well as coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). The Project Administration cost for this task will be supported completely by NWKRCDD in the form of in-kind services.

Task 2 – Labor Compliance Program: NWKRCDD will be responsible for the costs associated with the development of the Labor Compliance Program (LCP) for this Project. The LCP will follow the rules of the California Department of Industrial Relations. NWKRCDD will be contributing funding match in the form of in-kind services for this task.

Task 3 – Reporting: The monthly, quarterly, annual, and final reports associated with this task will be completely supported by funding match. NWKRCDD will contribute funding match in the form of in-kind services.

4.4.2 Budget Category (b): Land Purchase/Easement

Task 4 – Land Purchase/Easement: No land acquisition or easements are necessary for this Project. As such, there are no costs associated with this task.

4.4.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation

The Planning/Design/Engineering/Environmental Documentation Costs will be supported by funding match by NWKRCDD, as well as by Prop 84 Grant funding. A breakdown of the project funding, by task, is as follows:

Task 5 – Assessment and Evaluation: Assessment and evaluation of water use through the project will be performed by NWKRCDD personnel in follow-up assessments and summarized in their annual reports. Costs associated with this task will be supported by funding match by the Poso Creek RWMG and by Prop 84 Grant funding.

Task 6 – Design: The Mobile Lab program is well established and relies on proven, documented, and defined USDA and UC Cooperative Extension Program methodology. Therefore, no final design is necessary. As such, there are no costs associated with this task.

Task 7 – Environmental Documentation: This Project is exempt from CEQA and NEPA. As such, there are no costs associated with this task.

Task 8 – Permitting: No permitting is required for any elements of the assessment work. As such, there are no costs associated with this task.

4.4.4 Budget Category (d): Construction/Implementation

The Mobile Lab assessment work requires no construction. In the unlikely event that landowners need permits for recommended modifications to their irrigation systems, those actions would be considered separate and independent projects. As such, the project has no costs associated with this Budget Category:

Task 9 – Construction Contracting: No project costs associated with this task.

Task 10 – Construction: No project costs associated with this task.

4.4.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 11 - Environmental Compliance: Mobile Lab assessments involve no activities that require monitoring or environmental compliance. As such, there are no costs associated with this task.

4.4.6 Budget Category (f): Construction Administration

Task 12 – Construction Administration and Management: As there is no construction involved with this project, there are no construction administration costs associated with this task.

4.4.7 Budget Category (g): Other Costs

Task 13 – Monitoring, Assessment, and Performance Measures: This task involves some time for utilizing the project specific monitoring tables as input for development of a proposal monitoring plan. This task will be completely funded by cost match by NWKRC.

4.4.8 Budget Category (h): Construction/Implementation Contingency

As there is no construction involved with this project, there are no construction/implementation costs associated with this task.

4.4.9 Appendices

Appendix 4.4-1 Project 4 Supplemental Budget Table

4.4.10 Tables

Table 7 – Project Budget – Project 4 – On-Farm Mobile Lab, Water Use Efficiency Services

Appendix 4.4-1 - Project 4 Supplemental Budget Table

Task Number/Name		District Staff				
		SWSD Engineer	SWSD Budget/ Accountant	NWKRCD Mobile Lab Staff	Total Labor Hours	Total In-Kind Costs
		\$94	\$80	\$85		
Task 1 -	Project Administration	Estimated as 1% of Project Cost				
Task 2 -	Labor Compliance Program	No Labor Compliance Costs				
Task 3 -	Reporting	-	56	60	116	\$9,590
	3.1 - Monthly Reporting	-	8	12	20	\$1,662
	3.2 - Quarterly Reporting	-	16	16	32	\$2,642
	3.3 - Annual Reporting	-	16	16	32	\$2,642
	3.4 - Final Report	-	16	16	32	\$2,642
Task 4 -	Land Purchase/Easement	No Land Purchase/Easement Costs				
Task 5 -	Assessment and Evaluation	-	-	2080	2080	\$177,466
Task 6 -	Design	No Design Costs				
Task 7 -	Environmental Documentation	No Environmental Documentation Costs				
Task 8 -	Permitting	No Permitting Costs				
Task 9 -	Construction Contracting	No Construction Contracting Costs				
Task 10 -	Construction	No Construction Costs				
Task 11 -	Environmental Compliance	No Environmental Compliance Costs				
Task 12 -	Construction Administration and Management	No Construction Administration and Management Costs				
Task 13 -	Monitoring Assessment and Performance Measures	-	-	120	120	\$10,238

Table 7 - Project 4 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 4 - On-Farm Mobile Lab, Water Use Efficiency Services

		(a)	(b)	(d)	(e)
Task	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a)	Direct Project Administration				
	<i>Task 1 - Project Administration</i>	\$3,000	\$ -	\$3,000	
	<i>Task 2 - Labor Compliance Program</i>	\$ -	\$ -	\$ -	
	<i>Task 3 - Reporting</i>	\$9,500	\$ -	\$9,500	
	<i>Task 3.1 - Monthly Reporting at Poso Creek RWMG Meeting</i>	\$1,700	\$ -	\$1,700	
	<i>Task 3.2 - Quarterly Reporting</i>	\$2,600	\$ -	\$2,600	
	<i>Task 3.3 - Annual Reporting</i>	\$2,600	\$ -	\$2,600	
	<i>Task 3.4 - Final Report</i>	\$2,600	\$ -	\$2,600	
(b)	Land Purchase/Easement				
	<i>Task 4 - Land Purchase/Easement</i>	\$ -	\$ -	\$ -	
(c)	Planning/Design/Engineering/ Environmental Documentation				
	<i>Task 5 - Assessment and Evaluation</i>	\$177,500	\$100,000	\$277,500	
	<i>Task 6 - Design</i>	\$ -	\$ -	\$ -	
	<i>Task 7 - Environmental Documentation</i>	\$ -	\$ -	\$ -	
	<i>Task 8 - Permitting</i>	\$ -	\$ -	\$ -	
(d)	Construction/Implementation				
	<i>Task 9 - Construction Contracting</i>	\$ -	\$ -	\$ -	

Table 7 - Project 4 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 4 - On-Farm Mobile Lab, Water Use Efficiency Services

		(a)	(b)	(d)	(e)
Task	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
	<i>Task 10 - Construction</i>	\$ -	\$ -	\$ -	
(e)	Environmental Compliance/ Mitigation Enhancement				
	<i>Task 11 - Environmental Compliance</i>	\$ -	\$ -	\$ -	
(f)	Construction Administration				
	<i>Task 12 - Construction Administration and Management</i>	\$ -	\$ -	\$ -	
(g)	Other Costs				
	<i>Task 13 - Monitoring, Assessment, and Performance Measures</i>	\$10,240	\$ -	\$10,240	
(h)	Construction/Implementation Contingency	\$ -	\$ -	\$ -	
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 200,240	\$ 100,000	\$ 300,240	67%

See Appendix 4.4-1 - Project 4 Supplemental Budget Table for detailed district / consulting staff in-kind service hours.

No "Other State Funds" are being used for any budget item, so Column (c) has been removed

4.5 Project 5 – DAC Fund for Feasibility-Level Studies and Well Destruction Program

The DAC Fund for Feasibility-Level Studies and Well Destruction Program (Project 5 or Project) has an estimated project cost of \$431,740. The Poso Creek Regional Water Management Group (Poso RWMG) is requesting \$400,000 in Prop 84 Implementation Grant funding. The requested grant funding will be used to address two critical water supply needs for several disadvantaged communities (DACs) in the region.

1. Provide funding to perform feasibility and engineering studies necessary to construct facilities to solve defined water supply problems in several DACs including:
 - Allensworth Community Services District
 - Ducor Community Services District
 - City of Wasco
 - City of Shafter
 - Lost Hills Utility District

The Project will address critical water supply needs in the above DACs by providing funding for project development, not available from other sources.

2. Identify and partially fund the destruction of up to 30 unused wells that contribute to DAC water quality problems. Contribution to well destruction costs will motivate landowners to accelerate proper permanent abandonment of unused wells that, due to poor design or deterioration, may allow contaminants to enter production zones used for DAC supply.

The program would be administered under the direction of Semitropic WSD, in collaboration with the affected DACs and community interest groups, as well as the County of Kern. Although funding match is not required for DAC projects, the Poso RWMG has nonetheless secured \$31,740 in matching funds, which equates to a 7% funding match for this Project.

Matching Funds are contributed by the following entities:

- Cawelo Water District
- Delano-Earlimart Irrigation District
- Kern-Tulare Water District
- North Kern Water Storage District
- Semitropic Water Storage District
- Shafter-Wasco Irrigation District

There are no other “Non-State” Matching Funds.

A detailed estimate of project costs is presented in DWR's Table 7 – Project Budget – Project 5 – DAC Fund for Feasibility-Level Studies and Well Destruction Program. An explanation of how the costs were developed is presented herein for each Budget Category. Supporting documentation displaying the estimated labor time and bill rate information for each district employee and contracted employee, for each task, is provided in Appendix 4.5-1 Project 5 Supplemental Budget Table.

4.5.1 Budget Category (a): Direct Project Administration Costs

The Project 5 costs associated with the Direct Project Administration Budget Category are completely supported by Non-State Funding Match. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: Semitropic will be responsible for development of the funding agreements and service contracts, as well as coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). The Project Administration cost for this task will be supported by Semitropic in the form of in-kind services.

Task 2 – Labor Compliance Program: Semitropic will be responsible for the costs associated with the development of the Labor Compliance Program (LCP) for this Project. The LCP will follow the rules of the California Department of Industrial Relations. Semitropic will be contributing funding match in the form of in-kind services for this task.

Task 3 – Reporting: The monthly, quarterly, annual, and final reports associated with this task will be completely supported by funding match. Semitropic will contribute funding match in the form of in-kind services.

4.5.2 Budget Category (b): Land Purchase/Easement

Task 4 – Land Purchase/Easement: No land acquisition or easements are necessary for this Project. As such, there are no costs associated with this task.

4.5.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation

The Planning/Design/Engineering/Environmental Documentation Costs will be completely supported by Prop 84 Grand Funding. A breakdown of the project funding, by task, is as follows:

Task 5 – Assessment and Evaluation: The development of each DAC water supply project will proceed as described in Exhibit 3.5-xx: Project 5 DAC Project Development Process. The process will involve members of the Poso Creek RWMG, the DACs, and community

groups. Prop 84 Grant Funds will be used to establish the fund for DAC Feasibility-Level Studies.

Task 6 – Design: Prior to specific design of a DAC water supply projects, alternative solutions will be identified, selected, and recommended for project funding to the Poso Creek RWMG.

The design of each well destruction project will be pursuant to State guidelines and well industry practices. Detailed engineering design will not be required for well destruction.

All costs associated with this task, including drafting and finalizing the appraisal level report for the DAC water supply projects, and funding site-specific design of each well destruction project, will be supported by funding match by the Poso Creek RWMG, and by Prop 84 Grant funding.

Task 7 – Environmental Documentation: Pursuant to California Environmental Quality Act (CEQA) guidelines, both the studies and the well destruction activities are exempt from review. As such, there are no project costs associated with this task.

Task 8 – Permitting: No permits are required for the development studies. The County of Kern issues “over the counter” permits for destruction of wells. As each well is scheduled for destruction, the landowner or well contractor will be responsible for obtaining the necessary permit. As such, there are no project costs associated with this task.

4.5.4 Budget Category (d): Construction/Implementation

There will be no costs associated with the Construction/Implementation Budget Category. As this Project simply provides funding for feasibility studies and well destruction, there are no direct construction costs.

Task 9 – Construction Contracting: No costs associated with this task

Task 10 – Construction: No costs associated with this task.

4.5.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 11 - Environmental Compliance: Due to the nature of well destruction techniques, environmental compliance measures will not be required. As such, there are no costs associated with this task.

4.5.6 Budget Category (f): Construction Administration

Task 12 – Construction Administration and Management: Upon satisfactory documentation of completion of destruction of each well, the Project Manager will calculate the amount of

support appropriate and arrange for payment to the landowner. The Project Manager will develop documentation of each well destroyed for incorporation in project reports. The Construction Administration cost will be supported completely by a funding match by the Poso Creek RWMG in the form of in-kind services. . The Well Destruction element will be guided by a working group including the Poso Creek RWMG, representatives from the DACs, and the County of Kern.

4.5.7 Budget Category (g): Other Costs

Task 13 – Monitoring, Assessment, and Performance Measures: Semitropic will modify the water quality monitoring program as necessary to include areas in the vicinity of destroyed wells. This task will be completely funded by cost match by Semitropic in the form of in-kind services.

4.5.8 Budget Category (h): Construction/Implementation Contingency

There is no construction/implementation contingency cost associated with this Project as there is no construction taking place.

4.5.9 Appendices

Appendix 4.5-1 Project 5 Supplemental Budget Table

4.5.10 Tables

Table 7 – Project Budget – Project 5 – DAC Fund for Feasibility-Level Studies and Well Destruction Program

Appendix 4.5-1 - Project 5 Supplemental Budget Table

		District Staff							GEI Staff			
Task Number/Name		SWSD Engineer	SWSD Budget/ Accountant	City of McFarland Engineer	City of Shafter Engineer	City of Wasco Manager	Consultant Contract	District Counsel	Managing Senior	Engineer	Total Labor Hours	Total In-Kind Costs
									Grade 6	Grade 4		
		\$94	\$80	\$70	\$85	\$71	\$150	\$200	\$172	\$127		
Task 1 -	Project Administration	20	40	-	-	-	-	-	-	-	60	\$5,065
Task 2 -	Labor Compliance Program	-	-	-	-	-	4	4	-	-	8	\$1,400
Task 3 -	Reporting	-	52	-	-	-	-	-	40	32	124	\$15,095
	3.1 - Monthly Reporting	-	8	-	-	-	-	-	8	8	24	3,031
	3.2 - Quarterly Reporting	-	16	-	-	-	-	-	16	8	40	5,045
	3.3 - Annual Reporting	-	8	-	-	-	-	-	8	8	24	3,031
	3.4 - Final Report	-	20	-	-	-	-	-	8	8	36	3,989
Task 4 -	Land Purchase/Easement	No Land Purchase/Easement Required										
Task 5 -	Assessment and Evaluation	DAC Fund for Feasibility-Level Studies - 5 Studies @ \$50,000 per Study										\$250,000
Task 6 -	Design	No Design Costs										
Task 7 -	Environmental Documentation	No Environmental Documentation Costs										
Task 8 -	Permitting	No Permitting Costs										
Task 9 -	Construction Contracting	No Construction Contracting Costs										
Task 10 -	Construction	No Construction Costs										
Task 11 -	Environmental Compliance	No Environmental Compliance Costs										
Task 12 -	Construction Administration and Management	Well Destruction Program - 30 Wells @ \$5,000 per Well Destruction										\$150,000
Task 13 -	Monitoring Assessment and Performance Measures	-	-	-	-	-	-	-	30	40	70	\$10,240

Table 7 - Project 5 Budget					
Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal					
Project 5 - DAC Fund for Feasibility-Level Studies and Well Destruction Program					
		(a)	(b)	(d)	(e)
Task	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a)	Direct Project Administration				
	<i>Task 1 - Project Administration</i>	<i>\$5,100</i>	<i>\$ -</i>	<i>\$5,100</i>	
	<i>Task 2 - Labor Compliance Program</i>	<i>\$1,400</i>	<i>\$ -</i>	<i>\$1,400</i>	
	<i>Task 3 - Reporting</i>	<i>\$15,000</i>	<i>\$ -</i>	<i>\$15,000</i>	
	<i>Task 3.1 - Monthly Reporting at Poso Creek RWMG Meeting</i>	<i>\$3,000</i>		<i>\$3,000</i>	
	<i>Task 3.2 - Quarterly Reporting</i>	<i>\$5,000</i>	<i>\$ -</i>	<i>\$5,000</i>	
	<i>Task 3.3 - Annual Reporting</i>	<i>\$3,000</i>	<i>\$ -</i>	<i>\$3,000</i>	
	<i>Task 3.4 - Final Report</i>	<i>\$4,000</i>	<i>\$ -</i>	<i>\$4,000</i>	
(b)	Land Purchase/Easement				
	<i>Task 4 - Land Purchase/Easement</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	
(c)	Planning/Design/Engineering/ Environmental Documentation				
	<i>Task 5 - Assessment and Evaluation</i>	<i>\$ -</i>	<i>\$250,000</i>	<i>\$250,000</i>	
	<i>Task 6 - Design</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	
	<i>Task 7 - Environmental Documentation</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	
	<i>Task 8 - Permitting</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	
(d)	Construction/Implementation				
	<i>Task 9 - Construction Contracting</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	
	<i>Task 10 - Construction</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	

Table 7 - Project 5 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 5 - DAC Fund for Feasibility-Level Studies and Well Destruction Program

		(a)	(b)	(d)	(e)
Task	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
(e)	Environmental Compliance/ Mitigation Enhancement				
	<i>Task 11 - Environmental Compliance</i>	\$ -	\$ -	\$ -	
(f)	Construction Administration				
	<i>Task 12 - Construction Administration and Management</i>	\$ -	\$150,000	\$150,000	
(g)	Other Costs				
	<i>Task 13 - Monitoring, Assessment, and Performance Measures</i>	\$10,240	\$ -	\$10,240	
(h)	Construction/Implementation Contingency	\$ -	\$ -	\$ -	
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 31,740	\$ 400,000	\$ 431,740	7%

See Appendix 4.5-1 - Project 5 Supplemental Budget Table for detailed district / consulting staff in-kind service hours.
No "Other State Funds" are being used for any budget item, so Column (c) has been removed

4.6 Project 6 – Consolidation of Bishop Acres into City of Shafter Water Supply System

The Consolidation of Bishop Acres into City of Shafter Water Supply System Project (Project 6 or Project) has an estimated project cost of \$444,500. The Poso Creek Regional Water Management Group (Poso RWMG) is requesting \$444,500 in Prop 84 Implementation Grant funding. The requested grant funding will be applied toward consolidating Bishop Acres with the City of Shafter supply system. As this is a DAC Project, a funding match is not required. There are no other “Non-State” Matching Funds.

A detailed estimate of project costs is presented in DWR’s Table 7 – Project Budget – Project 6 – Consolidation of Bishop Acres into City of Shafter Water Supply System. An explanation of how the costs were developed is presented herein for each Budget Category. Supporting documentation displaying the estimated labor time and bill rate information for each district employee and contracted employee, for each task, is provided in Appendix 4.6-1 Project 6 Supplemental Budget Table.

4.6.1 Budget Category (a): Direct Project Administration Costs

The Project 6 costs associated with the Direct Project Administration Budget Category will be completely supported by Prop 84 Implementation Grant funding. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: The City of Shafter will be responsible for development of the funding agreements and service contracts, as well as coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). The Project Administration cost for this task will be supported completely by Prop 84 Implementation Grant funding.

Task 2 – Labor Compliance Program: The City will be responsible for the development of the Labor Compliance Program (LCP) for this Project. The LCP will follow the rules of the California Department of Industrial Relations. The cost for this task will be supported completely by Prop 84 Implementation Grant funding.

Task 3 – Reporting: The monthly, quarterly, annual, and final reports associated with this task will be provided by the City of Shafter, and be completely supported by Prop 84 Implementation Grant funding.

4.6.2 Budget Category (b): Land Purchase/Easement

Task 4 – Land Purchase/Easement: The City of Shafter will purchase necessary property for the pipeline and obtain temporary and permanent easements for the pipeline. The City will secure all the necessary project rights-of-way by following a standard practice R/W

acquisition process. The cost for this task will be fully supported by Prop 84 Implementation Grant funding.

4.6.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation

The Planning/Design/Engineering/Environmental Documentation Costs will be completely supported by Prop 84 Implementation Grant funding. A breakdown of the project funding, by task, is as follows:

Task 5 – Assessment and Evaluation: There will be no project cost associated with this task, as the project is now in the final stages of design.

Task 6 – Design: Engineering and design work has been completed at the 50% design stage by the City of Shafter. All costs necessary to complete this task, including finalizing the design, and producing construction drawings and specifications, will be completely supported by Prop 84 Implementation Grant funding.

Task 7 – Environmental Documentation: The City of Shafter will file a Notice of Exemption for the project, pursuant to California Environmental Quality Act (CEQA) guidelines. Any costs deemed necessary to provide additional environmental documentation and clearances will be completely supported by Prop 84 Implementation Grant funding.

Task 8 – Permitting: This task includes permits and fees associated with railroad pipeline license agreement and county road encroachment permits and an NPDES permit (if required), and verification of permit compliance. This task will be completely supported by Prop 84 Implementation Grant funding.

4.6.4 Budget Category (d): Construction/Implementation

Project Construction and Implementation Costs will be fully funded by Prop 84 Grant Funds. A breakdown of the project funding, by task, is as follows:

Task 9 – Construction Contracting: Once the plans and specification for the final level design are complete, the activities related to the construction contracting will commence. These sub-tasks include advertisement and solicitation of bids, processing of RFI's, conducting a pre-bid tour and conference; conducting bid opening, evaluation of proposals, awarding the contract, and Issuance of the Notice to Proceed. This task will be fully supported by Prop 84 Implementation Grant Funding.

Task 10 – Construction: This involves the furnishing and installation of all Project works as listed in the budget and schedule. A contract for this task will be awarded to the successful bidder. Construction tasks will be completely supported by Prop 84 Implementation Grant funding.

4.6.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 11 - Environmental Compliance: Once the contract has been awarded to a contractor, Shafter will engage a certified biologist to conduct pre-construction biological surveys prior to construction commencing. Accordingly, under this task, the City will coordinate pre-construction biological surveys and provide additional monitoring during construction. The cost associated with this task will be completely supported by Prop 84 Implementation Grant funding.

4.6.6 Budget Category (f): Construction Administration

Task 12 – Construction Administration and Management: This task involves all contract administration and field inspection subsequent to the issuance of the Notice to Proceed through the filing of the Notice of Completion for the Project works and preparation of “As-Built” Plans. The estimated Construction Administration cost for this project was calculated as x% of the total construction cost. The Construction Administration cost will be supported completely by Prop 84 Implementation Grant funding.

4.6.7 Budget Category (g): Other Costs

Task 13 – Monitoring, Assessment, and Performance Measures: This task involves some time for utilizing the project specific monitoring tables as input for development of a proposal monitoring plan. This task will be completely supported Prop 84 Implementation Grant funding.

4.6.8 Budget Category (h): Construction/Implementation Contingency

The estimated construction contingency for this project was calculated as x% of the total construction costs. The Construction Contingency cost will be supported completely by Prop 84 Implementation Grant funding.

4.6.9 Appendices

Appendix 4.6-1 Project 6 Supplemental Budget Table

4.6.10 Tables

Table 7 – Project Budget – Project 6 – Consolidation of Bishop Acres into City of Shafter Water Supply System

Appendix 4.6-1 - Project 6 Supplemental Budget Table

		District Staff				
Task Number/Name		SWSD Budget/ Accountant	City of Shafter Engineer	Consultant Contract	Total Labor Hours	Total In-Kind Costs
		\$80	\$85	\$150		
Task 1 -	Project Administration	Estimated as 3% of Construction Cost + Permitting Cost				
Task 2 -	Labor Compliance Program	-	-	100	100	\$15,000
Task 3 -	Reporting	12	108	-	120	\$10,173
	3.1 - Monthly Reporting	4	8	-	12	\$1,002
	3.2 - Quarterly Reporting	4	60	-	64	\$5,439
	3.3 - Final Report	4	40	-	44	\$3,732
Task 4 -	Land Purchase/Easement	No Land Purchase/Easement Costs				
Task 5 -	Assessment and Evaluation	No Assessment and Evaluation Costs				
Task 6 -	Design	-	60	40	100	\$11,119
Task 7 -	Environmental Documentation	No Environmental Documentation Costs				
Task 8 -	Permitting	-	24	20	44	\$5,048
Task 9 -	Construction Contracting	Part of Task 12 - Construction Administration and Management				
Task 10 -	Construction	Detailed Construction Costs Found in Table 7				
Task 11 -	Environmental Compliance	-	-	68	68	\$10,200
Task 12 -	Construction Administration and Management	Estimated as 7% of Construction Cost + Permitting Cost				
Task 13 -	Monitoring Assessment and Performance Measures	-	60	-	60	\$5,119

Table 7 - Project 6 Budget					
Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal					
Project 6 - Consolidation of Bishop Acres into City of Shafter Water Supply System					
		(a)	(b)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a)	Direct Project Administration				
	<i>Task 1 - Project Administration (1% of Construction Cost + Permitting Cost)</i>	\$ -	\$3,200	\$3,200	
	<i>Task 2 - Labor Compliance Program</i>	\$ -	\$15,000	\$15,000	
	<i>Task 3 - Reporting</i>	\$ -	\$10,100	\$10,100	
	<i>Task 3.1 - Monthly Reporting at Poso Creek RWMG Meeting</i>	\$ -	\$1,000	\$1,000	
	<i>Task 3.2 - Quarterly Reporting</i>	\$ -	\$5,400	\$5,400	
	<i>Task 3.3 - Final Report</i>	\$ -	\$3,700	\$3,700	
(b)	Land Purchase/Easement				
	<i>Task 4 - Land Purchase/Easement</i>	\$ -	\$ -	\$ -	
(c)	Planning/Design/Engineering/ Environmental Documentation				
	<i>Task 5 - Assessment and Evaluation</i>	\$ -	\$ -	\$ -	
	<i>Task 6 - Design</i>	\$ -	\$11,100	\$11,100	
	<i>Task 7 - Environmental Documentation</i>	\$ -	\$ -	\$ -	
	<i>Task 8 - Permitting</i>	\$ -	\$5,000	\$5,000	
(d)	Construction/Implementation				
	<i>Task 9 - Construction Contracting</i>	\$ -	\$ -	\$ -	
	<i>Task 10 - Construction</i>	\$ -	\$314,500	\$314,500	
	<i>Task 10.1 - Mobilization and Site Prep</i>	\$ -	\$15,000	\$15,000	
	Mobilization	\$ -	\$15,000	\$15,000	
	<i>Task 10.2 - Project Construction</i>	\$ -	\$289,500	\$289,500	
	Traffic Control	\$ -	\$10,000	\$10,000	
	New City PVC Water Main	\$ -	\$40,000	\$40,000	
	Bore Under BNSF Railway and County Roadways	\$ -	\$110,000	\$110,000	
	Obtain and Install 2-Gate Valves	\$ -	\$5,000	\$5,000	

Table 7 - Project 6 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 6 - Consolidation of Bishop Acres into City of Shafter Water Supply System

		(a)	(b)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
	Install 2-Fire Hydrants	\$ -	\$7,000	\$7,000	
	SCADA/PLC Integration	\$ -	\$100,000	\$100,000	
	Meter Updates for Customers	\$ -	\$7,500	\$7,500	
	Water System Tie-in	\$ -	\$10,000	\$10,000	
	<i>Task 10.3 - Performance Testing</i>	\$ -	<i>\$10,000</i>	<i>\$10,000</i>	
	Testing and Inspection	\$ -	\$10,000	\$10,000	
(e)	Environmental Compliance/ Mitigation Enhancement				
	<i>Task 11 - Environmental Compliance</i>	\$ -	<i>\$10,200</i>	<i>\$10,200</i>	
	<i>Task 11.1 - Pre-Construction Survey</i>	\$ -	<i>\$10,200</i>	<i>\$10,200</i>	
	<i>Task 11.2 - Verify Environmental Compliance</i>	\$ -	\$ -	\$ -	
(f)	Construction Administration				
	<i>Task 12 - Construction Administration and Management (7% of Construction Cost + Permitting Cost)</i>	\$ -	<i>\$22,400</i>	<i>\$22,400</i>	
(g)	Other Costs				
	<i>Task 13 - Monitoring, Assessment, and Performance Measures</i>	\$ -	<i>\$5,100</i>	<i>\$5,100</i>	
(h)	Construction/Implementation Contingency (15% of Construction Cost + Permitting Cost)	\$ -	<i>\$47,900</i>	<i>\$47,900</i>	
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ -	\$ 444,500	\$ 444,500	0%

See Appendix 4.6-1 - Project 6 Supplemental Budget Table for detailed district / consulting staff in-kind service hours.

No "Other State Funds" are being used for any budget item, so Column (c) has been removed

4.7 Project 7 – North Shafter Sewer Hook-Up Reimbursement Fund

The North Shafter Sewer Hook-Up Reimbursement Fund (Project 7 or Project) has an estimated project cost of \$540,100. The Poso Creek Regional Water Management Group (Poso RWMG) is requesting \$480,000 in Prop 84 Implementation Grant Funding. The requested grant funding will be applied toward establishing a reimbursement fund, from which customers in the North Shafter area, a disadvantaged community, can be reimbursed for connecting to the City of Shafter's newly-constructed sewer collection system. Although a funding match is not required for DAC projects, the City of Shafter can provide \$60,100 in matching funds, which equates to an 11% funding match for this Project.

Matching Funds are contributed by the following entities:

- City of Shafter (Shafter or City) Wastewater Enterprise Reserve Funds

There are no other "Non-State" Matching Funds.

A detailed estimate of project costs is presented in DWR's Table 7 – Project Budget – Project 7 – North Shafter Sewer Hook-Up Reimbursement Fund. An explanation of how the costs were developed is presented herein for each Budget Category. Supporting documentation displaying the estimated labor time and bill rate information for each district employee and contracted employee, for each task, is provided in Appendix 4.7-1 Project 7 Supplemental Budget Table.

4.7.1 Budget Category (a): Direct Project Administration Costs

The Project 7 costs associated with the Direct Project Administration Budget will be completely supported by Non-State Funding Match. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: The City of Shafter will be responsible for development of the funding agreements and service contracts, as well as coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). The Project Administration cost, which was estimated as 1% of Task 5 – Assessment and Evaluation, will be supported by the City in the form of in-kind services.

Task 2 – Labor Compliance Program: The City will be responsible for the development of the Labor Compliance Program (LCP) for this Project. The LCP will follow the rules of the California Department of Industrial Relations. The cost for this task will be supported by the City in the form of in-kind services.

Task 3 – Reporting: The monthly, quarterly, annual, and final reports associated with this task will be completely supported by funding match. The City of Shafter will contribute funding match in the form of in-kind services.

4.7.2 Budget Category (b): Land Purchase/Easement

Task 4 – Land Purchase/Easement: There are no costs associated with this task for this Project.

4.7.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation

The Planning/Design/Engineering/Environmental Documentation Costs will be supported by funding match and Prop 84 Implementation Grant funding. A breakdown of the project funding, by task, is as follows:

Task 5 – Assessment and Evaluation: The City of Shafter will develop implementation measures for the reimbursement fund, establish the reimbursement fund, and administer the funds as reimbursement requests are submitted. This task will be funded by cost match, in the form of in-kind services by the City and by Prop 84 Implementation Grant funding.

Task 6 – Design: There are no costs associated with this task for this Project.

Task 7 – Environmental Documentation: There are no costs associated with this task for this Project.

Task 8 – Permitting: There are no costs associated with this task for this Project.

4.7.4 Budget Category (d): Construction/Implementation

There will be no costs associated with the Construction/Implementation Budget Category. As this project simply establishes a reimbursement fund, there are no construction tasks.

Task 9 – Construction Contracting: No cost associated with this task for this Project.

Task 10 – Construction: No cost associated with this task for this Project.

4.7.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 11 - Environmental Compliance: No cost associated with this task for this Project.

4.7.6 Budget Category (f): Construction Administration

Task 12 – Construction Administration and Management: No cost associated with this task for this Project.

4.7.7 Budget Category (g): Other Costs

Task 13 – Monitoring, Assessment, and Performance Measures: This task involves some time for utilizing the project specific monitoring tables as input for development of a proposal monitoring plan. This task will be funded by cost match by the City of Shafter in the form of in-kind services.

4.7.8 Budget Category (h): Construction/Implementation Contingency

The estimated implementation contingency for this project was calculated as 5% of Task 5 – Assessment and Evaluation. The Construction Contingency costs will be supported completely by the City of Shafter.

4.7.9 Appendices

Appendix 4.7-1 Project 7 Supplemental Budget Table

4.7.10 Tables

Table 7 – Project Budget – Project 7 – North Shafter Sewer Hook-Up Reimbursement Fund

Appendix 4.7-1 - Project 7 Supplemental Budget Table

		District Staff						GEI Staff			
Task Number/Name		SWSD Engineer	SWSD Budget/ Accountant	Admin	City of Shafter Engineer	Consultant Contract	District Counsel	Staff/ Admin	Total Labor Hours	Total In-Kind Costs	
								Grade 1-2			
		\$94	\$80	\$34	\$85	\$150	\$200	\$99			
Task 1 -	Project Administration	Estimated as 1% of Task 5 - Assessment and Evaluation Costs									
Task 2 -	Labor Compliance Program	0	0	0	0	4	4	0	8	\$1,400	
Task 3 -	Reporting	0	56	0	72	0	0	0	128	\$10,614	
	3.1 - Monthly Reporting	0	8	0	12	0	0	0	20	\$1,662	
	3.2 - Quarterly Reporting	0	24	0	12	0	0	0	36	\$2,940	
	3.3 - Annual Reporting	0	12	0	24	0	0	0	36	\$3,006	
	3.4 - Final Report	0	12	0	24	0	0	0	36	\$3,006	
Task 4 -	Land Purchase/Easement	No Land Purchase/Easement Costs									
Task 5 -	Assessment and Evaluation								0	\$492,991	
	5.1 - Develop Implementation Measures				16		16		32	\$4,565	
	5.2 - Establish Fund	Sewer Hook-Up Reimbursement Fund - 240 Homes @ \$2,000 per Home								\$480,000	
	5.3 - Administer Funds				80		8		88	\$8,426	
Task 6 -	Design	No Design Costs									
Task 7 -	Environmental Documentation	No Environmental Documentation Costs									
Task 8 -	Permitting	No Permitting Costs									
Task 9 -	Construction Contracting	No Construction Contracting Costs									
Task 10 -	Construction	No Construction Costs									
Task 11 -	Environmental Compliance	No Environmental Compliance Costs									
Task 12 -	Construction Administration and Management	No Construction Administration and Management Costs									
Task 13 -	Monitoring Assessment and Performance Measures	0	0	0	60			0	60	\$5,119	

Table 7 - Project 7 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 7 - North Shafter Sewer Hook-up Reimbursement Fund

		(a)	(b)	(d)	(e)
Task	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a)	Direct Project Administration				
	Task 1 - Project Administration	\$5,000	\$ -	\$5,000	
	Task 2 - Labor Compliance Program	\$1,400	\$ -	\$1,400	
	Task 3 - Reporting	\$10,600	\$ -	\$10,600	
	Task 3.1 - Monthly Reporting at Poso Creek RWMP Meeting	\$1,700	\$ -	\$1,700	
	Task 3.2 - Quarterly Reporting	\$2,900	\$ -	\$2,900	
	Task 3.3 - Annual Reporting	\$3,000	\$ -	\$3,000	
	Task 3.4 - Final Report	\$3,000	\$ -	\$3,000	
(b)	Land Purchase/Easement				
	Task 4 - Land Purchase/Easement	\$ -	\$ -	\$ -	
(c)	Planning/Design/Engineering/ Environmental Documentation				
	Task 5 - Assessment and Evaluation	\$13,000	\$480,000	\$493,000	
	Task 5.1 - Develop Implementation Measures for Reimb. Fund	\$4,600	\$ -	\$4,600	
	Task 5.2 - Establish Reimb. Fund	\$0	\$480,000	\$480,000	
	Task 5.3 - Administer Reimb. Fund	\$8,400	\$ -	\$8,400	
	Task 6 - Design	\$ -	\$ -	\$ -	
	Task 7 - Environmental Documentation	\$ -	\$ -	\$ -	
	Task 8 - Permitting	\$ -	\$ -	\$ -	

Table 7 - Project 7 Budget

Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal

Project 7 - North Shafter Sewer Hook-up Reimbursement Fund

		(a)	(b)	(d)	(e)
Task	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
(d)	Construction/Implementation				
	<i>Task 9 - Construction Contracting</i>	\$ -	\$ -	\$ -	
	<i>Task 10 - Construction</i>	\$ -	\$ -	\$ -	
(e)	Environmental Compliance/ Mitigation Enhancement				
	<i>Task 11 - Environmental Compliance</i>	\$ -	\$ -	\$ -	
(f)	Construction Administration				
	<i>Task 12 - Construction Administration and Management</i>	\$ -	\$ -	\$ -	
(g)	Other Costs				
	<i>Task 13 - Monitoring, Assessment, and Performance Measures</i>	\$5,100	\$ -	\$5,100	
(h)	Construction/Implementation Contingency (5% of Assessment and Evaluation Cost)	\$25,000	\$ -	\$25,000	
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 60,100	\$ 480,000	\$ 540,100	11%

See Appendix 4.7-1 - Project 7 Supplemental Budget Table for detailed district / consulting staff in-kind service hours.
No "Other State Funds" are being used for any budget item, so Column (c) has been removed

4.8 Project 8 – Meter Installation in DAC Service Area

The Meter Installation in DAC Service Area Project (Project 8 or Project) has an estimated project cost of \$579,320. The requested grant funding will be applied toward the installation of water meters in the DAC service areas in the City of Shafter. As this project directly benefits a disadvantaged community, the Poso Creek Regional Water Management Group (Poso RWMG) is requesting full support of \$579,320 in Prop 84 Implementation Grant Funding.

A detailed estimate of project costs is presented in DWR’s Table 7 – Project Budget – Project 8 – Meter Installation in DAC Service Area. An explanation of how the costs were developed is presented herein for each Budget Category. Supporting documentation displaying the estimated labor time and bill rate information for each district employee and contracted employee, for each task, is provided in Appendix 4.8-1 Project 8 Supplemental Budget Table, while the unit prices for the construction items are provided in Appendix 4.8-2 Project 8 Unit Price Table.

4.8.1 Budget Category (a): Direct Project Administration Costs

The Project costs associated with the Direct Project Administration Budget Category will be completely supported by Prop 84 Grant funding. A breakdown of the Direct Project Administration Budget Category, by task, is as follows:

Task 1 – Project Administration: The City of Shafter will be responsible for development of the funding agreements and service contracts, as well as coordination of all Project activities, including budget, schedule, communication, and grant and cost-share administration (preparation of invoices and maintenance of financial records). The Project Administration cost for this task will be supported by Prop 84 Grant Funding.

Task 2 – Labor Compliance Program: The City will be responsible for the development of the Labor Compliance Program (LCP) for this Project. The LCP will follow the rules of the California Department of Industrial Relations. This task will be supported by Prop 84 Grant Funding.

Task 3 – Reporting: The monthly, quarterly, annual, and final reports associated with this task will be supported by Prop 84 Grant Funding.

4.8.2 Budget Category (b): Land Purchase/Easement

Task 4 – Land Purchase/Easement: There are no costs associated with this task for this Project.

4.8.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation

As this Project falls within the rights and responsibilities of the City of Shafter as an urban water purveyor, there will be no costs associated with the Planning/ Design/ Engineering/ Environmental Documentation Budget Category.

Task 5 – Assessment and Evaluation: There will be no project cost associated with this task, as the project is now in the final stages of design.

Task 6 – Design: There are no costs associated with this task for this Project.

Task 7 – Environmental Documentation: There are no costs associated with this task for this Project.

Task 8 – Permitting: There are no Permitting Costs for this Project.

4.8.4 Budget Category (d): Construction/Implementation

Project Construction and Implementation Costs will be completely supported by Prop 84 Grant Funding. A breakdown of the project funding, by task, is as follows:

Task 9 – Construction Contracting: The installation of water meters does not require formal plans and specifications. Work tasks to be completed for each site can be completed under simple work order requests initiated by the City of Shafter. The costs associated with this task are included in the cost estimate for Task 12 – Construction Administration and Management.

Task 10 – Construction: This involves the furnishing and installation of all Project works as listed in the budget and schedule. This work will be completed by the City of Shafter but costs associated with this task will be fully supported by Prop 84 Grant Funding.

4.8.5 Budget Category (e): Environmental Compliance/Mitigation Enhancement

Task 11 - Environmental Compliance: There are no costs associated with this task for this Project.

4.8.6 Budget Category (f): Construction Administration

Task 12 – Construction Administration and Management: The Construction Administration and Management cost for this project was estimated as 5% of the Construction cost. The Construction Administration cost will be supported completely by Prop 84 Grant Funding.

4.8.7 Budget Category (g): Other Costs

Task 13 – Monitoring, Assessment, and Performance Measures: This task involves some time for utilizing the project specific monitoring tables as input for development of a proposal monitoring plan. This task will be completely funded by Prop 84 Grant Funding.

4.8.8 Budget Category (h): Construction/Implementation Contingency

The estimated construction contingency for this project was calculated as 15% of the Construction cost. The Construction Contingency cost will be supported completely by Prop 84 Grant Funding.

4.8.9 Appendices

Appendix 4.8-1 Project 8 Supplemental Budget Table

Appendix 4.8-2 Project 8 Unit Price Table

4.8.10 Tables

Table 7 – Project Budget – Project 8 – Meter Installation in DAC Service Area

Appendix 4.8-1 - Project 8 Supplemental Budget Table

		District Staff					
Task Number/Name		SWSD Budget/ Accountant	City of Shafter Engineer	Consultant Contract	District Counsel	Total Labor Hours	Total In- Kind Costs
		\$80	\$85	\$150	\$200		
Task 1 -	Project Administration	Estimated as 1% of Construction Cost					
Task 2 -	Labor Compliance Program	-	-	4	4		\$1,400
Task 3 -	Reporting	16	104	-	-	120	\$10,151
	3.1 - Monthly Reporting	4	8	-	-	12	\$1,002
	3.2 - Quarterly Reporting	4	32	-	-	36	\$3,050
	3.3 - Annual Reporting	4	32	-	-	36	\$3,050
	3.4 - Final Report	4	32	-	-	36	\$3,050
Task 4 -	Land Purchase/Easement	No Land Purchase/Easement Costs					
Task 5 -	Assessment and Evaluation	No Assessment and Evaluation Costs					
Task 6 -	Design	No Design Costs					
Task 7 -	Environmental Documentation	No Environmental Documentation Costs					
Task 8 -	Permitting	No Permitting Costs					
Task 9 -	Construction Contracting	Part of Task 12 - Construction Administration and Management					
Task 10 -	Construction	Detailed Construction Costs Found in Table 7 and Appendix 4.8-2					
Task 11 -	Environmental Compliance	No Environmental Compliance Costs					
Task 12 -	Construction Administration and Management	Estimated as 5% of Construction Cost					
Task 13 -	Monitoring Assessment and Performance Measures	-	60	-	-	60	\$5,119

Appendix 4.8-2 - Project 8 Unit Price Table

Retrofit/Update Existing Metered Connections				
Work Item Description	Unit of Measure	Quantity	Unit Price	Extension Price
Automatic Meter Reading Meter Assembly (Meter, ERT & Register)	EA	600	\$175.00	\$105,000.00
New Meter Box	EA	600	\$100.00	\$60,000.00
Tie-In Assembly and Adjust to Grade	EA	600	\$500.00	\$300,000.00
	SUB-TOTAL			\$465,000.00
	CONTINGENCIES (15%)			\$69,750.00
	GRAND TOTAL			\$534,750.00

Table 7 - Project 8 Budget					
Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal					
Project 8 Title - Meter Installation in DAC Service Area					
		(a)	(b)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a)	Direct Project Administration				
	<i>Task 1 - Project Administration (1% of Construction Cost)</i>	\$ -	\$4,650	\$4,650	
	<i>Task 2 - Labor Compliance Program</i>	\$ -	\$1,400	\$1,400	
	<i>Task 3 - Reporting</i>	\$ -	\$10,150	\$10,150	
	<i>Task 3.1 - Monthly Reporting at Poso Creek RWMG Meeting</i>	\$ -	\$1,000	\$1,000	
	<i>Task 3.2 - Quarterly Reporting</i>	\$ -	\$3,050	\$3,050	
	<i>Task 3.3 - Annual Report</i>	\$ -	\$3,050	\$3,050	
	<i>Task 3.4 - Final Report</i>	\$ -	\$3,050	\$3,050	
(b)	Land Purchase/Easement				
	<i>Task 4 - Land Purchase/Easement</i>	\$ -	\$ -	\$ -	
(c)	Planning/Design/Engineering/ Environmental Documentation				
	<i>Task 5 - Assessment and Evaluation</i>	\$ -	\$ -	\$ -	
	<i>Task 6 - Design</i>	\$ -	\$ -	\$ -	
	<i>Task 7 - Environmental Documentation</i>	\$ -	\$ -	\$ -	
	<i>Task 8 - Permitting</i>	\$ -	\$ -	\$ -	
(d)	Construction/Implementation				
	<i>Task 9 - Construction Contracting</i>	\$ -	\$ -	\$ -	

Table 7 - Project 8 Budget Proposal Title: Poso Creek IRWMP Prop 84 Implementation Grant Proposal Project 8 Title - Meter Installation in DAC Service Area					
		(a)	(b)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Total	% Funding Match
	Task 10 - Construction	\$ -	\$465,000	\$465,000	
	Task 10.1 Automatic Meter Reading Water Assembly (Meter, ERT & Register)	\$ -	\$105,000	\$105,000	
	Task 10.2 - New Meter Box	\$ -	\$60,000	\$60,000	
	Task 10.3 - Tie-In Assembly and Adjust to Grade	\$ -	\$300,000	\$300,000	
(e)	Environmental Compliance/ Mitigation Enhancement				
	Task 11 - Environmental Compliance	\$ -	\$ -	\$ -	
(f)	Construction Administration				
	Task 12 - Construction Administration and Management (5% of Construction Cost)	\$ -	\$23,250	\$23,250	
(g)	Other Costs				
	Task 13 - Monitoring, Assessment, and Performance Measures	\$ -	\$5,120	\$5,120	
(h)	Construction/Implementation Contingency (15% of Construction Cost)	\$ -	\$69,750	\$69,750	0%
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ -	\$ 579,320	\$ 579,320	0%
See Appendix 4.8-1 - Project 8 Supplemental Budget Table for detailed district / consulting staff in-kind service hours. See Appendix 4.8-2 - Project 8 Unit Price Table for detailed Construction Costs No "Other State Funds" are being used for any budget item, so Column (c) has been removed					